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IDENTIFIERS	*Environmental Quality

ABSTRACT

The Environmental Quality Instructional Resources Center in Columbus, Ohio, acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction. This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous wastes, and public participation are included. Each entry in the resume section of this document provides, where appropriate: (1) the title; (2) the publication date; (3) the name(s) of the author(s); (4) a set of descriptors assigned to the entry for the purpose of indexing; (5) the number of pages; (6) an abstract describing the entry; and (7) information on the availability of the complete document. Also included in this publication are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials which meet general or highly specific requirements of their programs. This publication supplements, but does not replace, supplements 1-30. (TW)

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ED286755

Prepared by

Environmental Quality Instructional Resources Center
SMEAC Information Reference Center
The Ohio State University
1200 Chambers Road, Room 310
Columbus, OH 43212

WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS)

A Compilation of Abstracts to Water Quality and Water Resources Materials

Supplement 31, 1987

September, 1987

SE 048595

BEST COPY AVAILABLE

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Preface

This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous wastes, and public participation are included. Also included are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements in their programs.

Supplements to this publication will be issued periodically.

For further information about these materials contact:

Environmental Quality Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

(614) 292-6717

I. General Information about Materials in IRIS.

A. What types of materials are included in IRIS?

The Environmental Quality Instructional Resources Center acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction.

Materials selected must be available from some source for announcement. When materials are not readily available we attempt to make the materials available through some national information service for easier acquisition. In a few cases the Environmental Quality Instructional Resources Center is the source of the materials.

B. How are materials entered into IRIS?

We request that people assist us in locating materials for the system. If you have materials you believe to be useful to others, please send two copies if possible to the:

Environmental Quality (EQ) Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

Materials are reviewed by the project staff. Availability of the materials is checked, and the materials are abstracted and indexed. The abstract describes the contents of the material. The index terms (descriptors) are concepts or terms used to describe the contents and the form of the document. (See the Subject Index for a listing of those that have been used.) The index terms are useful for locating materials manually, such as with this supplement, and also by computer.

When items are processed they are entered on the IRIS (water) computer tape. This tape is maintained by the EQ Instructional Resources Center at The Ohio State University and is used for producing tapes for other information systems, publications, and for computer searches conducted at The Ohio State University.

C. How can a user locate materials in IRIS?

1. All materials placed in IRIS (water) collection.

Materials entered into the IRIS (water) collection can be located in two ways: (1) by manual search of the 1983 compilation and supplements that follow and (2) by computer.

The compilation produced in 1983 includes the original IRIS (1979) and Supplements 1-15. It is available for $75.00.

Quarterly updates of the compilation are available by subscription on a yearly basis. Information regarding an annual subscription to IRIS (water) Quarterly Compilations can be obtained by writing to the EQ Instructional Resources Center. A subscription to the quarterly supplements for 1985 is $12.00 (within the U.S.). Price to Canada and Mexico is $14.00. Prices in other Countries is $18.00. Separate quarterly supplements are $5.00 each.

The compilation and the quarterly supplements can be scanned and the subject index can be used for manual searches.

Computer tapes of the IRIS (water) collection can also be searched. The IRIS tapes are available for searching at The Ohio State University and will again be available for computer searching at other sites in the future.

2. Materials placed in the Educational Resources Information System (ERIC)

A number of the materials processed for the IRIS (water) system are entered into the ERIC system and announced in Resources in Education (RIE). Resources in Education (RIE) is published monthly and is available from:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238

The current price is listed in the most recent issue of RIE. Check if a college or university library close to you has a copy. If they do not, contact the EQ Instructional Resources Center for assistance.

Many libraries subscribe to RIE. Materials announced in RIE can be searched manually each month by scanning RIE or by checking the index terms in the back of each issue. Materials announced in RIE can be searched by computer also. ERIC computer tapes may be purchased outright, but users can access them through Dialog, BRS, CompuServe and Systems Development Corporation (Orbit). For the address of search services in your state that can search these databases, contact the:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

Most of the materials announced in RIE are available on microfiche (microfilm) at over 700 sites throughout the United States and the world. Users can view these materials on site at many locations to identify what they believe will be useful to them at no cost. Microfiche copies (or in most cases Xerox copies) can be ordered through the ERIC Document Reproduction Service. The address and order information is in the back of each issue of RIE. Xerox copies of many items related to water quality and resource education and training can also be ordered through the EQ Instructional Resources Center for $0.06 per page plus $1.00 per document.

For information about locations of ERIC microfiche sites in your state, contact the EQ Instructional Resources Center.

A number of journal articles processed for the IRIS (water) system are entered into the ERIC system and announced in Current Index to Journals in Education (CIJE).

Current Index to Journals in Education is published monthly and is available from:

ORYX Press
2214 North Central at Encanto
Phoenix, Arizona 85004
(602) 254-6156

Many libraries subscribe to CIJE. Materials announced in CIJE can be searched manually each month by scanning CIJE or by checking the index terms in the back of each issue. Materials announced in CIJE can be searched by computer also. Refer to the previous discussion of RIE concerning computer searches.

Materials announced in CIJE can be located in journals at many university libraries.

Many of the articles can be obtained from University Microfilms. For prices and further information write to:

UMI Article Reprint Department
300 North Zeeb Road
Ann Arbor, Michigan 48106
(800) 521-0600

II. How to Use the Compilation

A. Description of Information in Resumes

Each resume is listed by EW number in numerical order in the resume section. Two samples of resumes are provided to explain the data fields in the resumes. Sample resume #1 is a sample resume of an item not entered into ERIC. Sample resume #2 is a sample resume of an item entered into ERIC; a few additional data elements are in these resumes and are explained.

1. Sample resume of materials not entered in ERIC

a. IRIS NUMBER: EW006023
b. PUBLICATION DATE: FEB 81
c. TITLE: PROGRAMMED APPROACH TO WATER/MASS ANALYSES.
d. PERSONAL AUTHOR: SPENCE, GEORGE R., JR.
e. DESCRIPTOR: *DESIGN; *ENGINEERING; *EQUIPMENT; *MASS BALANCE; *PROJECT DESIGN; *POLLUTION ENGINEERING; *PIPES; *WATER RESOURCES

f. DESCRIPTIVE NOTE: 30-33P.
g. ABSTRACT: DURING THE ENGINEERING PHASE OF A PROJECT DESIGN, WATER REQUIREMENTS OFTEN CHANGE AS NEW INFORMATION BECOMES AVAILABLE. THIS ARTICLE DETAILS A PROGRAMMED APPROACH TO CALCULATION OF A WATER/MASS BALANCE WHICH PROVIDES THE USER WITH THE ABILITY TO READILY ASSESS THE IMPACT OF VARYING WATER QUALITIES, FLOW PATTERNS, AND FLOW RATES. THIS INFORMATION IS THEN USED IN DETERMINING PIPE AND EQUIPMENT SIZES.

h. AVAILABILITY: POLLUTION ENGINEERING; V13 N2

a. IRIS NUMBER -- this is the identification number sequentially assigned to materials as they are processed. Gaps in numbers mean that some items have been deleted, are being processed to add new information, or have been delayed in processing for some reason.

b. PUBLICATION DATE -- date material was published according to information on the material.

c. TITLE

d. PERSONAL AUTHOR -- person or persons who wrote, compiled, or edited the material. Up to two personal authors can be listed.

e. DESCRIPTOR -- subject terms which characterize substantive contents and form of the materials. The major terms are preceeded by an asterisk. Terms used to index all resumes in this compilation can be reviewed in the Subject Index.

f. DESCRIPTIVE NOTE -- various items of information may be contained in this section. For print materials the number of pages is usually listed. The price of the material quoted is the last time information was received from the source. Please note: Prices of nearly all materials are subject to changes and may not be accurate at the time a person orders a specific item.

g. ABSTRACT -- some early materials entered into IRIS did not have abstract information. All materials currently being entered into IRIS have an informative abstract that describes the contents of the item.

h. AVAILABILITY -- information in this field indicates where the material can be obtained.

2. Sample resume of material entered into ERIC (Resources in Education).

Items entered into ERIC (Resources in Education) will have a few additional data fields. See letter references "a" and "b" below.

IRIS ACCESSION NUMBER: EW006664
PUBLICATION DATE: 80
TITLE: RESOURCE DEVELOPMENT OF WATERSHED LANDS: A SIX WEEK SHORT COURSE.
DESCRIPTOR: ADMINISTRATION; ECOLOGICAL FACTORS; ECONOMIC FACTORS; INSTRUCTIONAL MATERIALS; *LAND USE; NATURAL RESOURCES; *POST SECONDARY EDUCATION; *TECHNICAL EDUCATION; *WATER RESOURCES; HYDROLOGY; NATURAL RESOURCES MANAGEMENT; WATER QUALITY; *WATERSHEDS

b. DESCRIPTIVE NOTE: EDRS PRICE: MF01 PLUS POSTAGE-NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT.

ABSTRACT: THIS COURSE WAS DESIGNED TO PROVIDE THE WATER RESOURCE TECHNICIAN OR MANAGER WITH INFORMATION WHICH WILL AID IN THE IMPLEMENTATION OF IMPROVEMENTS OF PRESENT LAND USE PRACTICES AND TO ILLUSTRATE ALTERNATIVE CONCEPTS AND TECHNIQUES IN LAND AND WATER USE FOR INCREASING AND IMPROVING THE MULTIPLE PRODUCTS OF WATERSHED LANDS. (ED 197 941)

a. AVAILABILITY: ERIC DOCUMENT REPRODUCTION SERVICE, 3900 Wheeler Avenue, Alexandria, VA 22304

a. ERIC NUMBER -- the ED number indicates the document has been processed and entered into Resources in Education. This identification number is the number to use when ordering a document or when requesting information about a document.

b. EDRS PRICE -- if material is available through the ERIC Document Reproduction Service, the price of the material when it was entered into the ERIC system and the form of the material is indicated. "MF" means microfiche; "HC" means Xerox copy. Prices are subject to change. Current prices of microfiche and paper copies are listed in the back of each issue of Resources in Education; consult the latest monthly issue for current prices. Information about ordering items can be obtained by contacting:

ERIC Document Reproduction Service (EDRS)
3900 Wheeler Avenue
Alexandria, VA 22304
(800) 227-3742

Items that are available on microfiche (MF) are contained in microfiche collections at over 700 sites where they can be read. For information on the microfiche locations in your state contact the EQ Instructional Resources Center.

B. How to Locate Desired Materials

Users can identify materials of interest by scanning the resume listings, or using the Subject Index or Author Index.

1. Subject Index

The Subject Index is designed to enable the user to search for information on either a broad subject or a narrow information concern. An EW number is included for each item listed under the subject heading. The EW number refers to the abstract entry in the resume section where complete bibliographic information, an abstract of the item, and availability information can be found.

A user can also coordinate a search by checking EW numbers that appear under two or more subject headings. For example, you could check all the EW numbers under Water Treatment and all the EW numbers under Films. EW numbers included under both subject headings would include information relevant to Water Treatment that were films. EW numbers under wastewater treatment and laboratory techniques would provide a list of materials related to Laboratory Techniques and to Wastewater Treatment. Similar techniques could be used to identify other information desired.

Users with ERIC microfiche should check the resume entry. If the document is available on microfiche from the ERIC Document Reproduction Service, the availability will be indicated by "MF" on the resume by "EDRS Price." This means libraries with ERIC microfiche collections should have the document on microfiche.

If you want a document available through the ERIC Document Reproduction Service (EDRS) see the section on ordering documents.

2. Author Index

If you desire to locate a document by the name of the author, you can use the Author Index. EW numbers are provided under the author in the Author Index as in the Subject Index. Some documents do not have a listed author; hence, they are not listed in this index.

III. Correcting an Existing IRIS Record

The IRIS data base will be updated on a quarterly basis. Corrections will be made to the data base at those times. You can help improve IRIS by sending corrections for items you find to be in error.

We request that you duplicate (copy) the resume from the compilation, mark the information you believe to be wrong (or incomplete), and send the marked resume to:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

Corrections of errors will occur in the IRIS tapes at the next update after comments are received.

If you have difficulty obtaining materials from the listed source in the AVAILABILITY section of the resume, please let us know. We will contact the sources to verify whether the materials are available, but your assistance will provide corrections between annual availability checks.

If you are the supplier of materials in IRIS, please let us know if you remove a product from your list, modify a product on your list, or change the price of the product.

IV. Requests to Receive Information about IRIS and the IRC Bulletin

Information regarding IRIS, materials in IRIS, and modifications in the system will be announced in the IRC Bulletin. The Bulletin is issued about four times a year as information is available.

If you are not on the mailing list write to the EQ Instructional Resources Center for subscription information.

If you need information about IRIS you can also phone (614) 292-6717 with your questions.

V. Requests for Assistance in Using IRIS

If you need help in using the IRIS manuals, phone (614) 292-6717 or write to the EQ Instructional Resources Center. Staff are normally available from about 8:30 a.m. to 4:30 p.m. Eastern time to answer your questions.

VI. How to Locate Other Relevant Educational Materials

A number of people have requested information related to such areas as management, basic skills (reading, mathematics, writing) human relations, contract negotiations, and other topics. The EQ Instructional Resources Center has developed or obtained some materials in these areas.

Another excellent source of information for many educational concerns is the ERIC System.

ERIC is a national information system designed and developed by the U.S. Office of Education, and now supported and operated by the National Institute of Education (NIE), for providing ready access to descriptions of exemplary programs, research and development efforts, and related information that can be used in developing more effective educational programs.

There are 16 Clearinghouses in the nationwide ERIC network. Each specializes in a different, multi-discipline, educational area. Each searches out pertinent documents.

The ERIC Clearinghouses have responsibility within the network for acquiring the significant educational literature within their particular areas, selecting the highest quality and most relevant material, processing (i.e., cataloging, indexing, abstracting) the selected items for input to the data base, and also for providing information analysis products and various user services based on the data base.

The 16 ERIC Clearinghouses are listed on the next few pages, together with addresses, telephone numbers, and brief scope notes describing the areas they cover. You can contact them for assistance in locating information relevant to their scope notes.

A. ERIC Clearinghouse on Adult, Career, and Vocational Education
The Ohio State University
National Center for Research in Vocational Education
1960 Kenny Road
Columbus, Ohio 43210
Telephone: (614) 486-3655

Career education, formal and informal at all levels, encompassing attitudes, self-knowledge, decision-making skills, general and occupational knowledge, and specific vocational and occupational skills; adult and continuing education, formal and informal, relating to occupational, family, leisure, citizen, organizational, and retirement roles; vocational and technical education, including new sub-professional fields, industrial arts, and vocational rehabilitation for the handicapped.

B. ERIC Clearinghouse on Counseling and Personnel Services
University of Michigan
School of Education, Room 2108
Ann Arbor, Michigan 48109
Telephone: (313) 764-9492

Preparation, practice, and supervision of counselors at all educational levels and in all settings, theoretical development of counseling and guidance, use and results of personnel procedures such as testing, interviewing, disseminating, and analyzing such information, group work and case work; nature of pupil, student, and adult characteristics; personnel workers and their relation to career planning, family consultations, and student orientation activities.

C. ERIC Clearinghouse on Elementary and Early Childhood Education
University of Illinois
College of Education
805 West Pennsylvania Avenue
Urbana, Illinois 61801
Telephone: (217) 333-1386

Prenatal factors, parental behavior; the physical, psychological, social, educational, and cultural development of children from birth through the primary grades; educational theory, research and practice related to the development of young children.

D. ERIC Clearinghouse on Educational Management
University of Oregon
Library, Room 108
1787 Agate Street
Eugene, Oregon 97403
Telephone: (503) 686-5043

Leadership, management, and structure of public and private educational organizations; practice and theory of administration; preservice and inservice preparation of administrators, tasks and processes of administration, methods and varieties of organization, organizational change, and social context of the organization.

Sites, buildings, and equipment for education; planning, financing, constructing, renovating, equipping, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

E. ERIC Clearinghouse on Handicapped and Gifted Children
Council for Exceptional Children
1920 Association Drive
Reston, Virginia 22091
Telephone: (703) 620-3660

Aurally handicapped, visually handicapped, mentally handicapped, physically handicapped, emotionally disturbed, speech handicapped, learning disabilities, and the gifted; behavioral, psychomotor, and communication disorders, administration of special education services; preparation and continuing education of professional and paraprofessional personnel; preschool learning and development of the exceptional; general studies on creativity.

F. ERIC Clearinghouse on Higher Education
George Washington University
One Dupont Circle, NW, Suite 630
Washington, DC 20036
Telephone: (202) 296-2597

Various subjects relating to college and university students, college and university conditions and problems, college and university programs; curricular and instructional problems and programs, faculty, institutional research; federal programs, professional education (medical, law, etc.), graduate education, university extension programs, teaching-learning, planning, governance, finance, evaluation, interinstitutional arrangements, and management of higher educational institutions.

G. ERIC Clearinghouse on Information Resources
Syracuse University
School of Education
Huntington Hall, Room 030
150 Marshall Street
Syracuse, New York 13210
Telephone: (315) 423-3640

Management, operation, and use of libraries; the technology to improve their operation and the education, training, and professional activities of librarians and information specialists. Educational techniques involved in microteaching, systems analysis, and programmed instruction employing audiovisual teaching aids and technology, such as television, radio, computers, and cable television, communication satellites, microforms, and public television.

H. ERIC Clearinghouse for Junior Colleges
University of California at Los Angeles (UCLA)
Mathematical Sciences Building, Room 8118
405 Hilgard Avenue
Los Angeles, California 90024
Telephone: (213) 825-3931

Development, administration, and evaluation of public and private community junior colleges. Junior college students, staff, curricula, programs, libraries, and community services.

I. ERIC Clearinghouse on Languages and Linguistics
Center for Applied Linguistics
1118 "22nd" Street, NW
Washington, DC 20037
Telephone: (202) 429-9551

Languages and linguistics. Instructional methodology, psychology of language learning, cultural and intercultural content, application of linguistics, curricular problems and developments, teacher training and qualifications, language sciences, psycholinguistics, theoretical and applied linguistics, language pedagogy, bilingualism, and commonly taught languages including English and speakers of other languages.

J. ERIC Clearinghouse on Reading and Communication Skills
National Council of Teacher of English
1111 Kenyon Road
Urbana, Illinois 61801
Telephone: (217) 328-3870

Reading, English, and communication skills, preschool through college. Educational research and development in reading, writing, speaking, and listening. Identification, diagnosis, and remediation of reading problems. Speech communication--forensics, mass communication, interpersonal and small group interaction, interpretation, rhetorical and communication theory, instruction development, speech sciences, and theater. Preparation of instructional staff and related personnel in these areas.

All aspects of reading behavior with emphasis on physiology, psychology, sociology, and teaching. Instructional materials, curricula, tests and measurement, preparation of reading teachers and specialists, and methodology at all levels. Role of libraries and other agencies in fostering and guiding reading. Diagnostic and remedial services in school and clinical settings.

K. ERIC Clearinghouse on Rural Education and Small Schools
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003
Telephone: (505) 646-2623

Education of Indian Americans, Mexican Americans, Spanish Americans, and migratory farm workers and their children; outdoor education; economic, cultural, social, or other factors related to educational programs in rural areas and small schools; disadvantaged of rural and small school populations.

L. ERIC Clearinghouse for Science, Mathematics and Environmental Education
The Ohio State University
1200 Chambers Road - Room 310
Columbus, Ohio 43212
Telephone: (614) 292-6717

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials; media applications; impact of interest, intelligence, values, and concept development upon learning; preservice and inservice teacher education and supervision.

M. ERIC Clearinghouse for Social Studies/Social Science Education
Indiana University
Social Studies Development Center
2805 East 10th St.
Bloomington, IN 47405
Telephone: (812) 335-3838

All levels of social studies and social science; all activities relating to teachers; content of disciplines; applications of learning theory, curriculum theory, child development theory, and instructional theory; research and development programs; special needs of student groups; education as a social science; social studies/social science and the community.

N.
ERIC Clearinghouse on Teacher Education
American Association of Colleges for Teacher Education (AACTE)
One Dupont Circle, NW, Suite 610
Washington, DC 20036
Telephone: (202) 293-2450

School personnel at all levels, all issues from selection through preservice and inservice preparation and training to retirement; curricula, educational theory and philosophy; general education not specifically covered by Educational Management Clearinghouse; Title XI NDEA Institutes not covered by subject speciality in other ERIC Clearinghouses; all aspects of physical education.

O. ERIC Clearinghouse on Tests, Measurement, and Evaluation
Educational Testing Service (ETS)
Rosedale Road
Princeton, New Jersey 08541
Telephone: (609) 734-5176

Tests and other measurement devices; evaluation procedures and techniques; application of tests, measurement, or evaluation in educational projects of programs.

P. ERIC Clearinghouse on Urban Education
Teachers College, Columbia University
Institute for Urban and Minority Education
Box 40
525 West 120th Street
New York, New York 10027
Telephone: (212) 678-3433

The relationship between urban life and schooling; the effect of urban experiences and environments from birth onward; the academic, intellectual, and social performance of urban children and youth from grade three through college entrance (including the effect of self concept, motivation, and other affective influences), education of urban, Puerto Rican and Asian American populations, and rural and urban black populations; programs and practices which provide learning experiences designed to meet the special needs of diverse populations served by urban schools and which build upon their unique as well as their common characteristics, structural changes in the classroom, school, school system, and community and innovative instructional practices which directly affect urban children and youth; programs, practices, and materials related to economic and ethnic discrimination, segregation, desegregation, and integration in education; issues, programs, practices, and materials related to redressing the curriculum imbalance in the treatment of ethnic minority groups.

Q. Educational Resources Information Center
Office of Educational Research and Improvement (OERI)
555 New Jersey, Ave. NW
Room 522
Washington, DC 20208
Telephone: (202) 626-9240

There are other sources of educational information in many states. Included are information dissemination units in the state departments of education, intermediate education units, and local education units. In many cases, a local school administrator or school librarian can help you locate assistance.

VII. How to Order Materials

The AVAILABILITY field in the resume indicates where materials can be obtained. A few of the sources are explained.

A. A number of audiovisual materials can be obtained on a rental basis or purchased from the EQ Instructional Resources Center. Most items previously available from the NTOTC office are available from the EQ Instructional Resources Center at The Ohio State University. For further information write or call.

B. Some of the materials are available through the ERIC Document Reproduction Service. MF (microfiche) are 4" x 6" sheets of microfilm; up to 96 pages of text can be reproduced on one sheet. HC (paper copy) is a reproduction of the document in paper form at the original size.

Order forms for these materials can be obtained from:

ERIC Document Reproduction Service
3900 Wheeler Avenue
Alexandria, VA 22304
(800) 227-3742

C. The EQ Instructional resources Center will provide Xerox copies of materials that are not copyrighted for $1.00 per document plus $0.06 per page.

If you can not obtain materials that are listed or have difficulty obtaining materials, please contact the EQ Instructional Resources Center. We can provide assistance in obtaining materials from some sources. If materials become unavailable, we will remove them from the IRIS data base.

RESUME SECTION

IRIS ACCESSION NUMBER: EW014100

PUBLICATION DATE: DEC 86

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES. MATERIALS, SUPPLEMENT 20, 1986.

DESCRIPTOR: *AUDIOVISUAL AIDS; CITIZEN PARTICIPATION; ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; INFORMATION DISSEMINATION; *INSTRUCTIONAL MATERIALS; INDEXES; *PESTICIDES; POSTSECONDARY EDUCATION; SLUDGE; TECHNOLOGY; WASTE DISPOSAL; WATER POLLUTION; *WATER RESOURCES; WATER; *WATER QUALITY; *WATER TREATMENT; *WASTEWATER

DESCRIPTIVE NOTE: 111P. PRICE: $5.00

ABSTRACT: COMPILED ARE ABSTRACTS AND INDEXES TO SELECTED PRINT AND NONPRINT MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION, AS WELL AS MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION. SOURCES OF ABSTRACTED/INDEXED MATERIALS INCLUDE ALL LEVELS OF GOVERNMENT, PRIVATE CONCERNS, AND EDUCATIONAL INSTITUTES. TITLE, AUTHOR(S), PUBLICATION DATE, CROSS-REFERENCES, DESCRIPTORS, AND AVAILABILITY ARE PROVIDED FOR EACH ENTRY. PROCEDURES ARE OUTLINED BY WHICH INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS TO MEET GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. ALSO INCLUDED ARE AN AUTHOR AND SUBJECT INDEX. THIS PUBLICATION SUPPLEMENTS AND DOES NOT REPLACE "WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS): A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES" OR IRIS SUPPLEMENTS 1-27.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014156

PUBLICATION DATE: JUNE 84

TITLE: HANDBOOK OF ADVANCED TREATMENT REVIEW ISSUES.

DESCRIPTOR: *ADVANCED TREATMENT; *EQUIPMENT; *FACILITIES; *ISSUES; *OPERATIONS (WASTEWATER); *TECHNOLOGY; *USEPA; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 117P. PRICE: $8.02

ABSTRACT: THIS HANDBOOK IDENTIFIES THE MOST SIGNIFICANT ISSUES ENCOUNTERED IN THE REVIEW OF PROPOSED ADVANCED TREATMENT (AT) PROJECTS BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) HEADQUARTER'S AT TASK FORCE, ANDDESCRIBES THE PROCEDURES AND INFORMATION USED TO EVALUATE EACH ISSUUE AS A BASIS FOR MAKING FEDERAL CONSTRUCTION GRANT FUNDING DECISIONS. THE INFORMATION CONTAINED IN THIS DOCUMENT IS INTENDED TO ASSIST STATES AND REGIONS IN THE PLANNING AND REVIEW OF AT PROJECTS. IT DOES NOT SUPERSEDE OR REPLACE STATE REQUIREMENTS OR PROCEDURES RELATED TO ADVANCED TREATMENT. STATES MAY REQUIRE AT FACILITIES TO ACHIEVE MORE STRINGENT TREATMENT THEN THOSE FOUND JUSTIFIED FOR EPA FUNDING UNDER THE AGENCY'S AT REVIEW POLICY. THIS HANDBOOK SUPPLEMENTS, BUT DOES NOT SUBSTITUTE FOR, THE AGENCY'S AT POLICY, THE TECHNICAL APPENDIX TO THE POLICY AND RELATED GUIDANCE DOCUMENTS ON WATER QUALITY STANDARDS, WASTELOAD ALLOCATIONS, PERMITTING AND TREATMENT PROCESS DESIGN. TECHNICAL GUIDANCE DOCUMENTS AVAILABLE FROM EPA AND OTHER SOURCES ARE REFERENCED AS APPROPRIATE TO AVOID DUPLICATION. USERS OF THE DOCUMENT ARE PRESUMED TO HAVE A BASIC KNOWLEDGE OF WATER QUALITY ANALYSIS AND MODELLING PROCEDURES AS WELL AS TREATMENT FACILITY DESIGN PRACTICES.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014426

PUBLICATION DATE: JUN 86

TITLE: REPORT TO EPA: MUNICIPAL COMPLIANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM.

DESCRIPTOR: *CLEAN WATER ACT; *COMPLIANCE; *FEDERAL ROLE; *STATE ROLE; *LOCAL ROLE; *RECOMMENDATIONS; *MUNICIPAL COMPLIANCE; *NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM; USEPA; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 47P. PRICE: $3.82

ABSTRACT: THIS REPORT ENCOMPASSES A NUMBER OF SUBJECT SECTIONS THAT LEAD TO A SERIES OF RECOMMENDATIONS TO BE CONSIDERED FOR IMPROVED COMPLIANCE. DESCRIBED ARE THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE STATUS OF MUNICIPAL COMPLIANCE. RECOMMENDATIONS FOR IMPROVING COMPLIANCE ARE INCLUDED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014550

PUBLICATION DATE: 86

TITLE: DROUGHT MANAGEMENT AND ITS IMPACT ON PUBLIC WATER SYSTEMS.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DROUGHT; *DROUGHT MANAGEMENT; *LEGAL ASPECTS; *PUBLIC WATER SUPPLY; *RISK ASSESSMENT; *WATER SUPPLY; *WATER RESOURCES; *WATER CONSERVATION

DESCRIPTIVE NOTE: 135P. PRICE: $7.50

ABSTRACT: THIS IS A REPORT OF A COLLOQUIUM THAT ADDRESSED DROUGHT MANAGEMENT AND ITS IMPACT ON PUBLIC WATER SYSTEMS. INCLUDED ARE FIVE PAPERS PRESENTED FOR BACKGROUND. THESE PAPERS ARE CONCERNED WITH THE FOLLOWING TOPICS: (1) DROUGHT MANAGEMENT; (2) CAUSES AND OCCURRENCE OF DROUGHT; (3) WHAT ARE ACCEPTABLE RISKS FOR PUBLIC SYSTEMS; (4) DROUGHT MANAGEMENT OPTIONS; AND (5) LEGAL AND INSTITUTIONAL ASPECTS OF DROUGHT. THE APPENDIXES CONTAIN SOME PLANS FOR WATER CONSERVATION.

AVAILABILITY: NATIONAL ACADEMY PRESS, 2101 CONSTITUTION AVENUE, N.W., WASHINGTON, D.C. 20418

IRIS ACCESSION NUMBER: EW014561

PUBLICATION DATE: 86

TITLE: ENVIRONMENTAL PLANNING: A CONDENSED ENCYCLOPEDIA.

PERSONAL AUTHOR: GILPIN, ALAN

DESCRIPTOR: *ENVIRONMANT; *ENVIRONMENTAL PLANNING; *MANAGEMENT; *PLANNING; *POLICIES; *WORLD PROBLEMS

DESCRIPTIVE NOTE: 348P.

ABSTRACT: THIS BOOK CONTAINS MANY HUNDREDS OF ENTRIES PERTAINING TO ENVIRONMENTAL PLANNING AND COVERS THE SUBJECT WORLDWIDE. THOSE INVOLVED IN PLANNING, DESIGN, POLICY, OR RELATED AREAS WILL FIND THIS A USEFUL REFERENCE.

AVAILABILITY: NOYES DATA CORPORATION, MILL ROAD AT GRAND AVENUE, PARK RIDGE, NJ 07656

IRIS ACCESSION NUMBER: EW014562

PUBLICATION DATE: 86

TITLE: SMALL-SCALE MUNICIPAL SOLID WASTE ENERGY RECOVERY SYSTEMS.

PERSONAL AUTHOR: GERSHAM; AND OTHERS

DESCRIPTOR: *CASE STUDIES; *COSTS; *ENERGY; *ENERGY RECOVERY; *RECYCLING; *RESOURCE RECOVERY; *SOLID WASTES; *TECHNOLOGY; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 272P.

ABSTRACT: MANY SMALL MUNICIPALITIES ARE INTERESTED IN WASTE-TO-ENERGY SYSTEMS BUT ARE NOT SURE HOW TO PROCEED OR EVEN IF SUCH AN OPTION IS VIABLE FOR THEIR COMMUNITY. THIS BOOK DISCUSSES MARKET DEVELOPMENT OF ENERGY RECOVERY, SOLID WASTE CHARACTERISTICS, MATERIAL AND PRODUCT MARKETING, SMALL-SCALE TECHNOLOGY, SMALL-SCALE SYSTEMS ECONOMICS, FINANCING ALTERNATIVES, ENVIRONMENTAL ISSUES, AND PROJECT DEVELOPMENT. SEVERAL CASE STUDIES PROVIDE ADDITIONAL PRACTICAL INFORMATION.

AVAILABILITY: VAN NOSTRAND REINHOLD, 115 FIFTH AVE., NEW YORK, NY 10003

IRIS ACCESSION NUMBER: EW014563

PUBLICATION DATE: 86

TITLE: REVERSE OSMOSIS TREATMENT OF DRINKING WATER.

PERSONAL AUTHOR: EISENBERG, TALBERT N.; MIDDLEBROOKS, E. JOE

DESCRIPTOR: *DRINKING WATER; *OPERATIONS (WATER); *PUBLIC HEALTH; *REVERSE OSMOSIS; *TECHNOLOGY; *WATER TREATMENT

DESCRIPTIVE NOTE: 271P. $39.95

ABSTRACT: THE USE OF REVERSE OSMOSIS SYSTEMS FOR THE REMOVAL OF VARIOUS CONTAMINANTS IN WATER IS RELATIVELY NEW, HOWEVER, IT DOES HAVE THE POTENTIAL FOR A WIDE ARRAY OF APPLICATIONS. THIS BOOK EXAMINES THE PROCESS IN LIGHT OF THE NATIONAL INTERIM PRIMARY DRINKING WATER REGULATIONS AS WELL AS THE REMOVAL OF ORGANICS, INORGANICS, AND MICROORGANISMS; MEMBRANES; MODULE CONFIGURATIONS; EXISTING INSTALLATIONS; FINANCIAL CONSIDERATIONS; AND MUCH MORE. NUMEROUS REFERENCES ARE CITED AND THERE ARE MANY CHARTS, DIAGRAMS, AND TABLES TO COMPLEMENT THE TEXT.

AVAILABILITY: BUTTERWORTH PUBLISHERS, 80 MONTRALE AVE., STONEHAM, MA 02180

IRIS ACCESSION NUMBER: EW014564

PUBLICATION DATE: 85

TITLE: ABSTRACTS OF TECHNICAL PAPERS. 58TH ANNUAL CONFERENCE.

DESCRIPTOR: *ABSTRACTS; *FACILITIES; *EQUIPMENT; *CONFERENCE PROCEEDINGS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *POLLUTION CONTROL; *RESEARCH; *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 199P. $5.00

ABSTRACT: THIS PUBLICATION PRESENTS ABSTRACTS OF PAPERS PRESENTED AT THE 58TH ANNUAL CONFERENCE OF THE WATER POLLUTION CONTROL FEDERATION. TOPICS OF PAPERS ARE ON A VARIETY OF TOPICS RELATED TO WATER POLLUTION, POLLUTION CONTROL, AND WASTEWATER TREATMENT.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, 2626 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20037

IRIS ACCESSION NUMBER: EW014642

PUBLICATION DATE: MAY 87

TITLE: CURBING THM'S IN SMALL WATER SYSTEMS.

PERSONAL AUTHOR: LEVINE, AUDREY D.; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *OPERATIONS (WATER); *PUBLIC HEALTH; *THM; *TRIHALOMETHANES; *WATER TREATMENT; *RURAL AREAS; *SMALL WATER SUPPLIERS; *RECOMMENDATIONS

DESCRIPTIVE NOTE: 52-56P.

ABSTRACT: SMALL WATER SYSTEMS ARE NOT IMMUNE TO THE THREAT

OF THM FORMATION. TREATMENT MODIFICATIONS THAT INFLUENCE THE FORMATION OF THM'S ARE REVIEWED AND CONTROL MEASURES APPROPRIATE FOR SMALL UTILITIES ARE RECOMMENDED.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION JOURNAL; V79 N5

IRIS ACCESSION NUMBER: EW014643

PUBLICATION DATE: MAY 87

TITLE: APPLYING ECONOMIC PRINCIPLES TO SMALL WATER SYSTEMS.

PERSONAL AUTHOR: CLARK, ROBERT M.

DESCRIPTOR: *COSTS; *ECONOMICS; *FINANCING; *MANAGEMENT; *OPERATIONS (WATER); *SMALL WATER SYSTEMS; *WATER RATES; *WATER SUPPLY; *WATER TREATMENT

DESCRIPTIVE NOTE: 57-61P.

ABSTRACT: THE PROPER MANAGEMENT OF SMALL SYSTEMS DEPENDS ON A FUNDAMENTAL UNDERSTANDING OF THE ECONOMICS OF WATER SUPPLY. ECONOMIC PRINCIPLES ARE APPLIED TO WATER UTILITIES.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION JOURNAL; V79 N5

IRIS ACCESSION NUMBER: EW014644
PUBLICATION DATE: MAY 87

TITLE: COMMITTEE REPORT: MICROBIOLOGICAL CONSIDERATIONS FOR DRINKING WATER REGULATION REVISIONS.

DESCRIPTOR: *AWWA COMMITTEE REPORT; *DRINKING WATER; DISINFECTION; MONITORING; MICROBIOLOGY; *RECOMMENDATIONS; *REGULATIONS; PATHOGENS; WATER SUPPLY

DESCRIPTIVE NOTE: 81-84, 88P.

ABSTRACT: THIS REPORT REVIEWS PROPOSALS IN CONNECTION WITH NEW DRINKING WATER REGULATIONS AND PRESENTS A SYNTHESIS OF CONCERNS AND RECOMMENDATIONS.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION JOURNAL; V79 N5

IRIS ACCESSION NUMBER: EW014650

PUBLICATION DATE: FEB 87

TITLE: SURVIVAL AND TRANSPORT OF PATHOGENS IN SLUDGE-AMENDED SOIL. A CRITICAL LITERATURE REVIEW.

PERSONAL AUTHOR: SORBER, CHARLES A.; MOORE, BARBARA E.

DESCRIPTOR: *LAND APPLICATION; *LITERATURE REVIEWS; *PATHOGENS; *PUBLIC HEALTH; *SURVIVAL RATE; *TRANSPORT; *SLUDGE; *SOILS; *WASTEWATER SLUDGE; *WATER QUALITY

DESCRIPTIVE NOTE: 128P. PRICE: $8.68

ABSTRACT: A STUDY WAS UNDERTAKEN TO CRITICALLY REVIEW AVAILABLE INFORMATION ON THE SURVIVAL AND TRANSPORT OF PATHOGENS FROM MUNICIPAL WASTEWATER SLUDGES APPLIED TO LAND. UNFORTUNATELY, THE AMOUNT OF QUANTITATIVE, COMPARABLE DATA RELATED TO PATHOGEN BEHAVIOR IN SLUDGE-AMENDED SOILS IS LIMITED. MOST AVAILABLE DATA ARE RESTRICTED TO SALMONELLA AND INDICATOR BACTERIA. IN GENERAL, SALMONELLA SHOWED A 90% (T90) REDUCTION WITHIN 3 WEEKS IN SLUDGE-AMENDED SOILS. IN WARM CLIMATES, INACTIVATION OF VIRUSES NEAR THE SURFACE WAS QUITE RAPID WITH A MEDIAN T90 OF 3 DAYS, WHILE COMPARABLE INACTIVATION AT LOW TEMPERATURES REQUIRED APPROXIMATELY 30 DAYS. MAXIMAL PARASITE SURVIVAL, AS REPRESENTED BY ASCARIS, WAS RELATIVELY LONG WITH A MEDIAN T90 OF 77 DAYS. ALTHOUGH MONITORING AT SLUDGE APPLICATION SITES HAS NOT REVEALED ANY IMPACT ON THE BACTERIAL QUALITY OF GROUNDWATER, LIMITED TRANSPORT OF INDICATOR BACTERIA TO DEPTHS UP TO 180 CM HAS BEEN REPORTED. UNDER FIELD CONDITIONS INCLUDING EXPOSURE TO NATURAL RAINFALL, VIRTUALLY NO VIRUSES HAVE BEEN DETECTED IN SOIL-WATER PERCOLATES. AVAILABLE LITERATURE STRONGLY FAVORS THE CONTENTION THAT PARASITIC OVA ARE RETAINED AT THE POINT OF SLUDGE INTRODUCTION TO THE SOIL. FINALLY, INSUFFICIENT DATA ARE AVAILABLE TO PROVIDE THE VARIOUS FACTORS REQUIRED TO ADEQUATELY MODEL PATHOGEN SURVIVAL AND TRANSPORT IN SLUDGE-AMENDED SOILS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014651

PUBLICATION DATE: FEB 87

TITLE: AQUEOUS-PHASE OXIDATION OF SLUDGE USING THE VERTICAL REACTION VESSEL SYSTEM.

DESCRIPTOR: *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *SLUDGE; *VERTICAL REACTION VESSEL SYSTEM; *WASTEWATER TREATMENT; *WET-OXIDATION

DESCRIPTIVE NOTE: 127P. PRICE $8.62

ABSTRACT: THE OVERALL OBJECTIVE OF THIS STUDY WAS TO PROVIDE PLANT-SCALE OPERATING DATA ON THE WET-OXIDATION OF MUNICIPAL WASTEWATER SLUDGE UTILIZING THE VERTICAL REACTION VESSEL SYSTEM AND THE EFFECT OF THE RETURN FLOW FROM THE WET-OXIDATION PROCESS ON THE OPERATION OF THE WASTEWATER TREATMENT PLANT. AT TEMPERATURES ABOVE 260 DEGREES CELSIUS TOTAL CHEMICAL OXYGEN DEMAND REDUCTION OF ABOUT 80% AND TOTAL VOLATILE SOLIDS REDUCTIONS OF OVER 90% WERE CONSISTENTLY ACHIEVED. RETURNING THE SUPERNATANT LIQUID FROM THE PROCESS TO THE WASTEWATER TREATMENT SYSTEM DID NOT SIGNIFICANTLY AFFECT THAT SYSTEM.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014652

PUBLICATION DATE: FEB 87

TITLE: MODEL STATEWIDE COMPLIANCE STRATEGY INCORPORATING THE COMPOSITE CORRECTION PROGRAM (CCP) CONCEPT.

PERSONAL AUTHOR: SCHULTZ, JAMES R.; AND OTHERS

DESCRIPTOR: *COMPLIANCE; *COLORADO; *COMPOSITE CORRECTION PROGRAMS; FACILITIES; ENFORCEMENT; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; MANAGEMENT; *WASTEWATER TREATMENT; *STATE PROGRAMS

DESCRIPTIVE NOTE: 136P. PRICE: $9.16

ABSTRACT: A COMPOSITE CORRECTION PROGRAM (CCP) IDENTIFIES CAUSES OF PERFORMANCE PROBLEMS AT PUBLICLY OWNED TREATMENT WORKS (POTW'S), ADDRESSES THEM SYSTEMATICALLY AND IN ORDER OF PRIORITY OF IMPACT ON PLANT CAPABILITY, AND DESCRIBES SOLUTIONS TO THE PROBLEMS. THE OBJECTIVES OF A CCP ARE TO IMPROVE PERFORMANCE AND BRING NONCOMPLYING POTW'S INTO COMPLIANCE. THE PURPOSE OF THIS STUDY WAS TO DEMONSTRATE THE USE OF THE CCP CONCEPT ON A STATEWIDE BASIS TO IMPROVE COMPLIANCE AND TO DEVELOP CRITERIA TO INCORPORATE THE CCP CONCEPT INTO THE STATE OF COLORADO'S MUNICIPAL COMPLIANCE ENFORCEMENT STRATEGY. SIXTEEN PLANTS WERE SELECTED FOR ON-SITE PLANT EVALUATIONS AND FIVE 'LIMITED'; I.E., MINOR DESIGN MODIFICATIONS NOT INVOLVING MAJOR CONSTRUCTION; CCP'S WERE CONDUCTED AT THOSE FACILITIES WHICH SHOWED THE MOST APPLICATION. PERFORMANCE WAS IMPROVED DURING FOUR OF THE FIVE CCP'S AND DURING THREE OF THE OTHER ELEVEN COMPREHENSIVE EVALUATIONS.
AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014653

PUBLICATION DATE: FEB 87

TITLE: SHREDDED RUBBER TIRES AS A BULKING AGENT FOR COMPOSTING SEWAGE SLUDGE.

PERSONAL AUTHOR: HIGGINS, ANDREW J.; AND OTHERS

DESCRIPTOR: BULKING AGENTS; *COMPOSTING; *PERFORMANCE EVALUATION; *RESOURCE RECOVERY; *RUBBER; *RUBBER TIRES; *SLUDGE; *WASTEWATER SLUDGE; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 02P. PRICE $5.92

ABSTRACT: SHREDDED RUBBER TIRES WERE EVALUATED AS A BULKING AGENT FOR COMPOSTING WASTEWATER SLUDGES. THREE SLUDGES (RAW PRIMARY, ANAEROBICALLY DIGESTED, AND SECONDARY BIOLOGICAL), TWO AMENDMENTS (SAWDUST AND RECYCLED COMPOST), THREE SIZES OF RUBBER CHIPS (1.27 TO 2.54 CM, 2.54 TO 5.08 CM, AND GREATER THAN 5.08 CM), AND THREE SHREDDED-RUBBER-CHIP-TO-SLUDGE MIX RATIOS (1:1, 2:1, AND 3:1) WERE EVALUATED. THE SMALL RUBBER CHIPS, THE 2:1 MIX RATIO, AND THE SAWDUST AMENDMENT WERE OPTIMUMS. WHEN AMENDED WITH SAWDUST, ALL OF THE SLUDGES WERE EFFECTIVELY COMPOSTED USING SHREDDED RUBBER. ALL OF THE SLUDGES REQUIRED THE MOISTURE ABSORBANCY AND SUPPLEMENTAL CARBON THAT THE SAWDUST PROVIDED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310 COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014654

PUBLICATION DATE: JAN 87

TITLE: CONTRACT OPERATION AND MAINTENANCE: THE ANSWER FOR YOUR TOWN?.

DESCRIPTOR: *CASE STUDIES; *CONTRACTING; *COSTS; *MANAGEMENT; *MAINTENANCE; *CONTRACT OPERATIONS; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *SURVEYS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 14P. PRICE: $1.84

ABSTRACT: MANY WASTEWATER TREATMENT FACILITIES NEED TO IMPROVE THEIR OPERATIONS AND MAINTENANCE PROGRAMS. A MUNICIPALITY CAN WORK TO ACHIEVE IMPROVEMENTS ON ITS OWN, OR IT CAN ACQUIRE HELP FROM A CONTRACT OPERATIONS FIRM. EPA HAS SURVEYED THE SERVICES OFFERED BY THESE CONTRACT OPERATIONS FIRMS AND INVESTIGATED SOME OF THE PROJECTS. THIS BROCHURE SUMMARIZES THE FINDINGS OF THAT STUDY.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014655

PUBLICATION DATE: DEC 86

TITLE: PROCEEDINGS: WORKSHOP ON EFFECTS OF SEWAGE SLUDGE QUALITY AND SOIL PROPERTIES ON PLANT UPTAKE OF SLUDGE-APPLIED TRACE CONSTITUENTS.

PERSONAL AUTHOR: RYAN, J.A.

DESCRIPTOR: *AGRICULTURE; *CONFERENCE PROCEEDINGS; *CONTAMINANTS; PUBLIC HEALTH; *LAND APPLICATION; *SOILS; SLUDGE; *SEWAGE SLUDGE; *WASTEWATER SLUDGE; *PLANTS

DESCRIPTIVE NOTE: 102P. PRICE: $7.12

ABSTRACT: THE WORKSHOP REPORT SUMMARIZES THE CURRENT RESEARCH AND UNDERSTANDING ABOUT TRANSFER OF CONTAMINANTS FROM SEWAGE SLUDGE TO THE HUMAN FOOD CHAIN VIA LAND APPLICATION. AS SUCH IT ADDRESSES THE IMPORTANT PARAMETERS IN THE SYSTEM WHICH CAN ALTER THE RATE AND DEGREE OF MOVEMENT OF CONTAMINANTS THROUGH THE ENVIRONMENT. THE TOPICS OF EACH WORKGROUP ARE AS FOLLOWS: EFFECTS OF SOIL PROPERTIES ON ACCUMULATION OF TRACE ELEMENTS BY CROPS, EFFECTS OF SLUDGE PROPERTIES ON ACCUMULATION OF TRACE ELEMENTS BY CROPS, EFFECTS OF LONG-TERM SLUDGE APPLICATIONS ON ACCUMULATION OF TRACE ELEMENTS BY CROPS, TRANSFER OF SLUDGE-APPLIED TRACE ELEMENTS TO THE FOOD CHAIN, AND EFFECTS OF TRACE ORGANICS IN SEWAGE SLUDGES ON SOIL-PLANT SYSTEMS AND

ASSESSING THEIR RISK TO HUMANS. THE REPORT EVALUATES AVAILABLE DATA ON EFFECTS OF SLUDGE, SOIL, AND PLANT FACTORS ON PLANT UPTAKE OF MUNICIPAL SEWAGE SLUDGE-APPLIED TRACE CONTAMINANTS AND THEIR TRANSFER INTO THE FOOD CHAIN.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014656

PUBLICATION DATE: FEB 86

TITLE: REGROWTH OF SALMONELLAE IN COMPOSTED SEWAGE SLUDGE.

PERSONAL AUTHOR: BURGE, W.D.; AND OTHERS

DESCRIPTOR: *COMPOST; *PUBLIC HEALTH; *RESEARCH REPORTS; *SALMONELLAE; *SEWAGE SLUDGE; *WASTEWATER SLUDGE

DESCRIPTIVE NOTE: 68P. PRICE $5.08

ABSTRACT: RESEARCH WAS CONDUCTED TO INVESTIGATE THE REGROWTH OF SALMONELLAE IN COMPOSTED SEWAGE SLUDGE. THOUGH COMPOSTING EFFECTIVELY STABILIZES AND DISINFECTS SEWAGE SLUDGES, THE DECREASE IN SALMONELLAE MAY BE ONLY TEMPORARY, SINCE THIS PATHOGEN CAN SURVIVE AND GROW WITHOUT A HUMAN OR ANIMAL HOST. THESE RESULTS AND OTHERS SUGGESTED THAT COMPOSTS IN GENERAL CAN SUPPRESS SALMONELLA GROWTH.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014657

PUBLICATION DATE: DEC 85

TITLE: REDUCING THE COST OF OPERATING MUNICIPAL WASTEWATER FACILITIES.

DESCRIPTOR: *ADMINISTRATION; *COSTS; *COST REDUCTIONS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *PLANNING; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 4P. PRICE: $1.24

ABSTRACT: THIS PUBLICATION SUMMARIZES SEVERAL IDEAS FOR REDUCING COSTS OF OPERATING WASTEWATER TREATMENT FACILITIES. A FIVE STEP METHOD FOR IDENTIFYING HIGH COSTS, ASSESSING COST REDUCTION OPPORTUNITIES, AND PREPARING A PLAN IS OUTLINED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014658

PUBLICATION DATE: MARCH 86

TITLE: A GUIDE TO THE OFFICE OF WATER ACCOUNTABILITY SYSTEM AND MID-YEAR EVALUATIONS. FISCAL YEAR 1987.

DESCRIPTOR: *ACCOUNTABILITY; *GROUNDWATER; *GUIDES; *EVALUATION; *EVALUATION MEASURES; *OFFICE OF WATER; *PERFORMANCE EVALUATION; *PROGRAM EVALUATION; *REGIONAL PROGRAMS; *WATER POLLUTION CONTROL; *USEPA; *POLLUTION CONTROL; *WATER QUALITY; *DRINKING; *ENFORCEMENT; *ESTUARIES; *OCEANS

DESCRIPTIVE NOTE: 157P. PRICE: $10.42

ABSTRACT: THIS GUIDE CONTAINS THE ACCOUNTABILITY MEASURES THAT THE OFFICE OF WATER (USEPA) IS USING TO MONITOR REGIONAL PERFORMANCE, AND DESCRIBES THE PROCESS BEING USED TO EVALUATE REGIONAL WATER PROGRAMS DURING FY 1987. THE GUIDE IS TO BE USED WITH THE AGENCY'S FY 1987 OPERATING GUIDANCE, WHICH SETS FORTH THE NATIONAL OBJECTIVES FOR WATER PROGRAMS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014659

PUBLICATION DATE: MAY 87

TITLE: THE PLACE OF NONPOTABLE REUSE IN WATER MANAGEMENT.

PERSONAL AUTHOR: CROOK, JAMES; OKUN, DANIEL A.

DESCRIPTOR: *CONSERVATION; *PROGRAM DESCRIPTIONS; *PLANNING; *NATURAL RESOURCES; *POLICIES; *WATER REUSE; *WATER CONSERVATION; *WATER SUPPLY; *WATER RESOURCES

DESCRIPTIVE NOTE: 237-241P.

ABSTRACT: DESCRIBED IS THE PLACE OF NONPOTABLE WATER REUSE IN WATER MANAGEMENT. EXAMPLES DISCUSSED INCLUDE INDUSTRIAL REUSE, MUNICIPAL NONPOTABLE REUSE, AND AGRICULTURAL REUSE.

AVAILABILITY: JOURNAL WATER POLLUTION CONTROL FEDERATION; V59 N5

IRIS ACCESSION NUMBER: EW014660

PUBLICATION DATE: MAY 87

TITLE: SELECTING MEDIA FOR PRODUCTION AND POST-PRODUCTION.

PERSONAL AUTHOR: BEHREND, JACK

DESCRIPTOR: *AUDIOVISUAL AIDS; *FILMS; *MEDIA; *MEDIA SELECTION; *MATERIAL PRODUCTION; *VIDEOTAPES

DESCRIPTIVE NOTE: 34-35P.

ABSTRACT: THIS ARTICLE PRESENTS INFORMATION ON SELECTING MEDIA FOR PRODUCTION AND POST-PRODUCTION. TOPICS INCLUDE CONSIDERATION OF TYPE OF TAPE OR FILM AND REASONS FOR SELECTION.

AVAILABILITY: TECHNICAL PHOTOGRAPHY: V19 N5

IRIS ACCESSION NUMBER: EW014661

PUBLICATION DATE: MAY 87

TITLE: OXIDATION DITCH MODIFICATION SHOWS PROMISE.

PERSONAL AUTHOR: STEUSEL, H.D.

DESCRIPTOR: *FACILITIES: *INTRACHANNEL CLARIFICATION SYSTEM; *OPERATIONS (WASTEWATER); *OXIDATION DITCH; *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 40-42P.

ABSTRACT: DESCRIBED IS AN INTRACHANNEL CLARIFICATION SYSTEM THAT WAS SUCCESSFULLY TESTED IN A LOUISIANA FACILITY. THE SYSTEM IS A MODIFICATION OF THE OXIDATION DITCH PROCESS FOR WASTEWATER TREATMENT.

AVAILABILITY: WATER ENGINEERING & MANAGEMENT: V134 N5

IRIS ACCESSION NUMBER: EW014662
PUBLICATION DATE: MAY 87

TITLE: STATEWIDE WATER AUDIT SHOWS WAY TO SAVINGS.

DESCRIPTOR: *AUDITS; *CALIFORNIA; *COSTS; *LEAK DETECTION; *PIPE REPAIR; *SURVEYS; *WATER CONSERVATION; *WATER DISTRIBUTION; *WATER SUPPLY

DESCRIPTIVE NOTE: 43-45P.

ABSTRACT: DESCRIBED IS A LEAK DETECTION PROGRAM THAT SAVES THE STATE OF CALIFORNIA MORE THAN TWICE THE COST OF THE PROGRAM THROUGH LEAK CORRECTION.

AVAILABILITY: WATER ENGINEERING & MANAGEMENT: V134 N5

IRIS ACCESSION NUMBER: EW014663

PUBLICATION DATE: MAY 87

TITLE: UNCONVENTIONAL TOUCHES TO CONVENTIONAL DESIGN.

PERSONAL AUTHOR: THORNHILL, GLENN

DESCRIPTOR: *DESIGN; *CONNECTICUT; *COSTS; *FACILITIES; *FLASH JET MIXING; *OPERATIONS (WASTEWATER); *WATER TREATMENT

DESCRIPTIVE NOTE: 48-49, 54P.

ABSTRACT: A CONNECTICUT WATER COMPANY DECIDED TO USE AN UNTRIED FLASH JET MIXING DESIGN TO PRODUCE IMMEDIATE AND TANGIBLE COST SAVINGS COMPARED TO CONVENTIONAL DESIGNS.

AVAILABILITY: WATER ENGINEERING & MANAGEMENT: V134 N5

IRIS ACCESSION NUMBER: EW014664

PUBLICATION DATE: JULY 86

TITLE: ENERGY IN MUNICIPAL WASTEWATER TREATMENT: AN ENERGY AUDIT PROCEDURE AND SUPPORTING DATA BASE. APPENDIX A.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ENERGY AUDITS; *AUDITS; *ENERGY; *ENERGY USE; *MANAGEMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 121P. PRICE: $8.26

ABSTRACT: THIS APPENDIX IS PART OF A SERIES. THIS APPENDIX CAN BE USED TO ESTIMATE AND EVALUATE ENERGY USE IN WASTEWATER TREATMENT (WWT) UNIT PROCESSES. THIS DOCUMENT HAS TWO PARTS: PART I CONSISTS OF TABLES, SUPPORTING DATA, AND FORMULAS FOR ESTIMATION ENERGY USE IN BOTH ACQUISITION AND OPERATING WWT UNIT PROCESSES. PART II CONSISTS OF PROCEDURES FOR SURVEYING ENERGY USE IN OPERATING PLANTS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014665

PUBLICATION DATE: JULY 86

TITLE: ENERGY IN MUNICIPAL WASTE WATER TREATMENT: AN ENERGY AUDIT PROCEDURE AND SUPPORTING DATA BASE. APPENDIX B.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CASE EXAMPLES; *ENERGY; *ENERGY AUDITS; *ENERGY USE; *MANAGEMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 89P. PRICE: $6.34

ABSTRACT: THIS IS ONE IN A SERIES OF PUBLICATIONS DESCRIBING ENERGY AUDITS OF WASTEWATER TREATMENT FACILITIES. THIS PUBLICATION CONTAINS 25 CASE EXAMPLES DESCRIBING WASTEWATER TREATMENT SYSTEMS AND PROCEDURES FOR DETERMINING ENERGY USE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014666
PUBLICATION DATE: JULY 86

TITLE: ENERGY IN MUNICIPAL WASTE WATER TREATMENT: AN ENERGY AUDIT PROCEDURE AND SUPPORTING DATA BASE. APPENDIX C.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *AUDITS; *ENERGY; *ENERGY USE; *ENERGY AUDITS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 23P. PRICE: $2.38

ABSTRACT: THIS APPENDIX IS PART OF A SERIES RELATED TO ENERGY AUDITS OF WASTEWATER TREATMENT PLANTS. THIS APPENDIX CONTAINS: (1) METHODOLOGY; (2) RESULTS AND CONCLUSIONS; (3) FUTURE WORK; AND (4) REFERENCES.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014667

PUBLICATION DATE: 86

TITLE: ENERGY IN MUNICIPAL WASTE WATER TREATMENT: AN ENERGY AUDIT PROCEDURE AND SUPPORTING DATA BASE. FINAL REPORT.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *AUDITS; *ENERGY; *ENERGY USE; *ENERGY AUDITS; *MANAGEMENT; *PROJECT REPORTS; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 24P. PRICE: $2.44

ABSTRACT: THIS APPENDIX IS PART OF A SERIES. THIS REPORT PRESENTS A SUMMARY OF THE CONDUCT OF THE PROJECT. INCLUDED ARE: (1) METHODOLOGY; (2) PROJECT PLANS AND TASKS; (3) RESULTS; (4) CONCLUSIONS AND RECOMMENDATIONS; (5) FUTURE WORK; AND (6) REFERENCES.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014668

PUBLICATION DATE: 86

TITLE: WE ALL LIVE DOWNSTREAM. A GUIDE TO WASTE TREATMENT THAT STOPS WATER POLLUTION.

PERSONAL AUTHOR: COSTNER, PAT; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *DESIGN; *COSTS; *EQUIPMENT; *MAINTENANCE; *OPERATIONS (WASTEWATER); *ON-SITE WASTEWATER TREATMENT; *RESOURCE RECOVERY; *WASTEWATER TREATMENT; *WASTE DISPOSAL; *PUBLIC PARTICIPATION; *PUBLIC HEALTH; *TECHNOLOGY; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 102P. $6.95
ABSTRACT: THIS PUBLICATION IS PROVIDED AS A GUIDE TO WASTE TREATMENT THAT STOPS WATER POLLUTION. SECTIONS ARE INCLUDED ON: (1) WATER CRISES; (2) WHAT TO DO AT HOME; (3) CPMMERCIAL DRY TREATMENT SYSTEMS; (4) OWNER-BUILT DRY TREATMENT SYSTEMS; (5) GREYWATER SYSTEMS; AND (6) SAVING WATER AND MONEY. ALSO INCLUDED ARE REFERENCES AND A LIST OF RELATED ORGANIZATIONS AND INFORMATION SOURCES.

AVAILABILITY: WATERWORKS PUBLISHING CO.. P.O. BOX 548, EUREKA SPRINGS, AR 72632

IRIS ACCESSION NUMBER: EW014669

PUBLICATION DATE: APRIL 87

TITLE: WORLDWATCH PAPER 76. MINING URBAN WASTES: THE POTENTIAL FOR RECYCLING.

PERSONAL AUTHOR: POLLOCK, CYNTHIA

DESCRIPTOR: *ECONOMICS; *GARBAGE; *MANAGEMENT; *NATURAL RESOURCES; *SOLID WASTES; *LAND USE; *PUBLIC HEALTH; *RECYCLING; *WASTE DISPOSAL; *WASTE REDUCTION; *TRENDS

DESCRIPTIVE NOTE: 61P. $4.00

ABSTRACT: THIS DOCUMENT CONSIDERS THE PROBLEMS OF URBAN WASTES AND THE POTENTIAL OPPORTUNITIES THAT CAN BE OBTAINED BY REDUCING THE WASTE AND RECYCLING THE WASTES. SECTIONS ARE INCLUDED ON GARBAGE GLUT, MANAGING SOLID WASTES, RECYCLING TRENDS AND POTENTIALS, SUCCESSFUL RECYCLING PROGRAMS, AND CORNERSTONES OF A RECYCLING SOCIETY.

AVAILABILITY: WORLDWATCH INSTITUTE, 1776 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014670

PUBLICATION DATE: APRIL 87

TITLE: SUPERFUND HANDBOOK. SECOND EDITION, APRIL 87.

DESCRIPTOR: *ENFORCEMENT; *CERCLA; *EMERGENCY PLANNING; *INDUSTRY; *PUBLIC HEALTH; *MANAGEMENT; *PLANNING; *POLLUTION CONTROL; *SUPERFUND; *SUPERFUND AMENDMENTS; *SARA; *TOXIC SUBSTANCES; *COMPLIANCE; *HAZARDOUS WASTES; *LEGISLATION; *USEPA; *POLLUTION CONTROL; *HAZARDOUS WASTE SITES

DESCRIPTIVE NOTE: 125P. $9.00

ABSTRACT: THIS IS THE SECOND EDITION OF THE HANDBOOK. IT HAS BEEN REWRITTEN AND EXPANDED TO DETAIL NEW ASPECTS OF THE SUPERFUND PROCESS AS IT AFFECTS INDUSTRY AND TO FOCUS ON THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA). PART I FOCUSES ON CERCLA AND SARA. PART II RELATES TO MANAGING A RESPONSE TO SUPERFUND. PART III EMPHASIZES EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW.

AVAILABILITY: ERT, INC., 696 VIRGINIA ROAD, CONCORD, MA 01742

IRIS ACCESSION NUMBER: EW014671

PUBLICATION DATE: DEC 86

TITLE: HAZARDOUS WASTE: EPA HAS MADE LIMITED PROGRESS IN DETERMINING THE WASTES TO BE REGULATED.

DESCRIPTOR: *CRITERIA; *HAZARDOUS WASTES; *PERFORMANCE EVALUATION; *REGULATIONS; *REPORTS; *USEPA; *WASTE TREATMENT; *WASTE DISPOSAL; *WASTE STORAGE; *WASTE TRANSPORTATION

DESCRIPTIVE NOTE: 50P.

ABSTRACT: THIS IS A REVIEW OF THE USEPA'S EFFORTS TO DETERMINE WHICH WASTES ARE HAZARDOUS AND TO PRODUCE A BIENNIAL REPORT ON THE TYPES AND AMOUNTS OF HAZARDOUS WASTES GENERATED, TREATED, STORED, AND DISPOSED OF IN THE UNITED STATES. RESULTS OF THE REVIEWED ARE REPORTED.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014674

PUBLICATION DATE: JAN 87

TITLE: HAZARDOUS WASTE: ENFORCEMENT OF CERTIFICATION REQUIREMENTS FOR LAND DISPOSAL FACILITIES.

DESCRIPTOR: *ENFORCEMENT; *HAZARDOUS WASTES; *LAND DISPOSAL FACILITIES; *LAND DISPOSAL; *PERFORMANCE EVALUATION; *RCRA; *REGULATIONS; *COMPLIANCE; *SOLID WASTES; *WASTE DISPOSAL; *USEPA

DESCRIPTIVE NOTE: 60P.

ABSTRACT: THIS IS AN EVALUATION OF EPA'S ENFORCEMENT OF THE LOSS OF INTERIM STATUS PROVISION OF THE 1984 HAZARDOUS AND SOLID WASTE AMENDMENTS TO THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 (RCRA). INCLUDED ARE COMMENTS ON THE METHODOLOGY OF THE STUDY, RESULTS OF THE INVESTIGATION, AND OVSERVATIONS RELATED TO THE FINDINGS.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014675

PUBLICATION DATE: JAN 87

TITLE: CONTRACTS: STATUS OF EPA'S CONTRACT MANAGEMENT IMPROVEMENT PROGRAM.

DESCRIPTOR: *CONTRACTS; *CONTRACT MANAGEMENT; *FEDERAL PROGRAMS; *MANAGEMENT; *STATUS REPORT; *USEPA; *PERFORMANCE EVALUATION

DESCRIPTIVE NOTE: 20P.

ABSTRACT: THIS IS A REPORT ON THE STATUS OF EPA'S CONTRACT MANAGEMENT IMPROVEMENT PROGRAM AS OF OCTOBER, 1986.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014677

PUBLICATION DATE: DEC 86

TITLE: WATER QUALITY: AN EVALUATION METHOD FOR THE CONSTRUCTION GRANTS PROGRAM--METHODOLOGY.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *GAO; *CASE STUDIES; *CONSTRUCTION GRANTS PROGRAM; *EVALUATION METHODS; *PERFORMANCE EVALUATION; *WATER QUALITY; *PROGRAM EVALUATION; *WATER POLLUTION CONTROL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 84P.

ABSTRACT: THIS IS VOLUME ONE IN A TWO VOLUME SERIES. THE GENERAL ACCOUNTING OFFICE ESTABLISHED A METHODOLOGY FOR ASSESSING THE WATER QUALITY IMPACT RELATED TO UPGRADING OF WASTEWATER TREATMENT FACILITIES. THE PURPOSE OF THE EVALUATION WAS TO ASSESS THE IMPACT OF THE USEPA CONSTRUCTION GRANTS PROGRAM ON WATER QUALITY. THIS VOLUME CONTAINS INFORMATION RELATED TO THE METHODOLOGY OF THE STUDY. VOLUME TWO OF THE STUDY IS EW 014 678.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014678

PUBLICATION DATE: DEC 86

TITLE: WATER QUALITY: AN EVALUATION METHOD FOR THE CONSTRUCTION GRANTS PROGRAM--CASE STUDIES. VOLUME 2.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *GAO; *CASE STUDIES; *CONSTRUCTION GRANTS PROGRAM; *EVALUATION METHODS; *PROGRAM EVALUATION; *PERFORMANCE EVALUATION; *WATER QUALITY; *WATER POLLUTION CONTROL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 97P.

ABSTRACT: THIS VOLUME OF THE GENERAL ACCOUNTING OFFICE'S (GAO) TWO VOLUME REPORT REPRESENTS THE RESULTS OF FOUR CASE STUDIES THAT DEMONSTRATE THE USE OF GAO'S GUIDELINES FOR ESTIMATING THE EFFECT OF SELECTED UPGRADES ON STREAM WATER QUALITY. EW 014 677 IS VOLUME ONE OF THE SERIES.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014679
PUBLICATION DATE: 86

TITLE: 1985 ANNUAL REPORT. COMMITTEE ON THE ASSESSMENT OF HUMAN HEALTH EFFECTS OF GREAT LAKES WATER QUALITY. REVISION OF OCTOBER 1986.

DESCRIPTOR: *ANNUAL REPORTS; *CHEMICALS; *GREAT LAKES; LEAD; HEALTH; *PUBLIC HEALTH; *MONITORING; TOXICOLOGY; *WATER QUALITY; *RECOMMENDATIONS

DESCRIPTIVE NOTE: 119P.

ABSTRACT: THIS REPORT INCLUDES HIGHLIGHTS OF ACTIVITIES UNDERTAKEN BY THE COMMITTEE BETWEEN ITS LAST REPORT IN NOVEMBER 1983 AND THE PRESENT. SECTIONS ARE INCLUDED ON EVALUATION OF GREAT LAKES CHEMICALS, LEAD IN GREAT LAKES FISH, EVALUATION OF HEALTH EFFECTS OF CHEMICALS, MONITORING OF WATER AND EFFLUENTS, FISH TUMORS, FUTURE DIRECTIONS, AND RECOMMENDATIONS.

AVAILABILITY: GREAT LAKES REGIONAL OFFICE, 100 QUELLETTE AVENUE, WINDSOR, ONTARIO N9A 6T3 CANADA

IRIS ACCESSION NUMBER: EW014680

PUBLICATION DATE: 87

TITLE: THE ECOLOGY OF THE COASTAL MARSHES OF WESTERN LAKE ERIE: A COMMUNITY PROFILE.

DESCRIPTOR: BIBLIOGRAPHIES; *BIOLOGY; *ECOLOGY; *LAKE ERIE; *MARSHES; *NATURAL RESOURCES; *WETLANDS

DESCRIPTIVE NOTE: 240P.

ABSTRACT: THIS PROFILE ON THE COASTAL WETLANDS OF WESTERN LAKE ERIE IS ONE OF A SERIES OF COMMUNITY PROFILES. THIS REPORT PROVIDES A BASIC UNDERSTANDING OF THE ECOLOGY OF THE AREA AND THE IMPACT OF MAN AND NATURAL EVENTS ON THE MARSH COMMUNITY. REFERENCES AND LISTS OF SPECIES INHABITING THE AREA ARE INCLUDED.

AVAILABILITY: U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20460

IRIS ACCESSION NUMBER: EW014681

PUBLICATION DATE: 86

TITLE: TRACKING TOXIC WASTES IN OHIO. A GUIDE TO FEDERAL AND STATE INFORMATION SOURCES ON CHEMICAL WASTES FROM INDUSTRIAL PLANTS.

PERSONAL AUTHOR: MILLER, CATHERINE G.; NAVIASKY, LAURENCE M.

DESCRIPTOR: *CHEMICALS; *GUIDES; *HAZARDOUS WASTES; *INDUSTRIAL WASTES; *INFORMATION SOURCES; *OHIO; *TOXIC SUBSTANCES; *TOXIC WASTES; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 118P. $15.00

ABSTRACT: THIS GUIDE IS DESIGNED TO HELP THOSE CONCERNED ABOUT THE DISCHARGES OF HAZARDOUS WASTES BY INDUSTRIAL PLANTS IN OHIO. THE GUIDE LISTS FEDERAL AND STATE GOVERNMENT OFFICES, AND INCLUDES EXAMPLES OF FORMS TO BE LOCATED AND DIRECTIONS FOR SECURING ACCESS TO INFORMATION BEING SOUGHT.

AVAILABILITY: INFORM, 381 PARK AVENUE SOUTH, NEW YORK CITY 10157-0323

IRIS ACCESSION NUMBER: EW014682

PUBLICATION DATE: 86

TITLE: TRACKING TOXIC WASTES IN CALIFORNIA. A GUIDE TO FEDERAL AND STATE INFORMATION SOURCES ON CHEMICAL WASTES FROM INDUSTRIAL PLANTS.

PERSONAL AUTHOR: MILLER, CATHERINE G.; NAVIASKY, LAURENCE M.

DESCRIPTOR: *CALIFORNIA; *CHEMICALS; *GUIDES; *HAZARDOUS WASTES; *INDUSTRIAL WASTES; *INFORMATION SOURCES; *TOXIC SUBSTANCES; *TOXIC WASTES; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 115P. $15.00

ABSTRACT: THIS GUIDE IS DESIGNED TO HELP THOSE CONCERNED ABOUT THE DISCHARGES OF HAZARDOUS WASTES BY INDUSTRIAL PLANTS IN CALIFORNIA. THE GUIDE LISTS FEDERAL AND STATE GOVERNMENT OFFICES, AND INCLUDES EXAMPLES OF FORMS TO BE LOCATED AND DIRECTIONS FOR SECURING ACCESS TO INFORMATION BEING SOUGHT.

AVAILABILITY: INFORM, 381 PARK AVENUE SOUTH, N.Y., N.Y. 10016

IRIS ACCESSION NUMBER: EW014683

PUBLICATION DATE: MAY 87

TITLE: SEPTIC SYSTEMS HANDBOOK.

PERSONAL AUTHOR: KAPLAN, O. BENJAMIN

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *DESIGN; *GEOLOGY; *PUBLIC HEALTH; *SEPTIC SYSTEMS; *ON-SITE WASTEWATER TREATMENT; *SOILS; *RURAL AREAS; *WASTEWATER TREATMENT; *TECHNOLOGY; *OPERATIONS (WASTEWATER); *MAINTENANCE; *TROUBLESHOOTING

DESCRIPTIVE NOTE: 260P. $44.95

ABSTRACT: THIS PUBLICATION CONSIDERS THE ENGINEERING, SOIL SCIENCE, GEOLOGY, AND PUBLIC HEALTH PERSPECTIVES OF SEPTIC SYSTEMS. NINETEEN SECTIONS ARE INCLUDED ON SPECIFIC ASPECTS RELATED TO EACH OF THE MAJOR TOPICS. MUCH OF THE INFORMATION

PROVIDES PRACTICAL PERSPECTIVE ON PROBLEMS AND SOLUTIONS.
AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN STREET, P.O. DRAWER 519, CHELSEA, MICHIGAN 48118

IRIS ACCESSION NUMBER: EW014684

PUBLICATION DATE: MAY 87

TITLE: GROUND WATER QUALITY PROTECTION.

PERSONAL AUTHOR: CANTER, LARRY W.; AND OTHERS

DESCRIPTOR: *CLEAN-UP; *GROUNDWATER; *HYDROLOGY; *MONITORING; *SAMPLING; *MANAGEMENT; *TRANSPORT; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 559P. $54.95

ABSTRACT: THIS PUBLICATION CONTAINS INFORMATION ON A VARIETY OF ASPECTS OF GROUND WATER AND GROUND WATER PROTECTION. INFORMATION IS INCLUDED ON THE FOLLOWING TOPICS: (1) HYDROLOGY; (2) POLLUTION SOURCES; (3) TRANSPORT AND FATE; (4) SOLUTE AND FLOW MODELING; (5) ASSESSMENT AND EVALUATION; (6) MONITORING AND PLANNING; (7) SAMPLING AND ANALYSIS; (8) MANAGEMENT; AND (9) CLEAN-UP TECHNOLOGIES.

AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN STREET, P.O. DRAWER 519, CHELSEA, MICHIGAN 48118

IRIS ACCESSION NUMBER: EW014685

PUBLICATION DATE: 86

TITLE: SLUDGE MANAGEMENT AND DISPOSAL FOR THE PRACTICING ENGINEER.

PERSONAL AUTHOR: VESILIND, P.A.; AND OTHERS

DESCRIPTOR: *DEWATERING; *COSTS; *ENVIRONMENTAL IMPACT; *MANAGEMENT; *OPERATIONS (WASTEWATER); *STABILIZATION; *SLUDGE; *TECHNOLOGY; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 366P. $49.95

ABSTRACT: THIS BOOK COUPLES THE POLICY AND TECHNOLOGY OF SLUDGE MANAGEMENT AND DISPOSAL WITH AN ACTUAL ALL-ENCOMPASSING SLUDGE DISPOSAL CASE STUDY OF SOLUTIONS AND ALTERNATIVES. THE VARIOUS SLUDGE TREATMENT TECHNOLOGIES AVAILABLE TO MUNICIPALITIES ARE DISCUSSED IN THE FIRST PART OF THIS BOOK, INCLUDING SLUDGE CHARACTERISTICS, THICKENING, DEWATERING AND STABILIZATION. EXPERIENCES IN OPERATION AND PERFORMANCE ARE REVIEWED. THE SECOND PART OF THIS GUIDE DESCRIBES IN DETAIL A COMPREHENSIVE SLUDGE DISPOSAL STUDY DEVELOPED FOR A MUNICIPALITY. IN THIS STUDY, THE VARIOUS DISPOSAL OPTIONS ARE CONSIDERED AND EVALUATED ON THE BASIS OF COST-EFFECTIVENESS, RELIABILITY, FLEXIBILITY, TECHNOLOGY, ENVIRONMENTAL IMPACT AND PUBLIC ACCEPTANCE.

AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN STREET, P.O. DRAWER 519, CHELSEA, MICHIGAN 48118

IRIS ACCESSION NUMBER: EW014686

PUBLICATION DATE: 86

TITLE: SUBMERSIBLE SEWAGE PUMPING SYSTEMS HANDBOOK.

PERSONAL AUTHOR: HUMES, DURWARD

DESCRIPTOR: *DESIGN; *INSTALLATION; *LIFT STATIONS; *MAINTENANCE; *OPERATIONS (WASTEWATER); *PUMPS; *SUBMERSIBLE PUMPS; *SEWAGE PUMPS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 120P. $27.95

ABSTRACT: THIS BOOK PROVIDES INFORMATION TO HELP PLAN, SIZE, INSTALL, AND TROUBLESHOOT LIFT STATIONS USING SUBMERSIBLE PUMPS.

AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN STREET, P.O. DRAWER 519, CHELSEA, MICHIGAN 48118

IRIS ACCESSION NUMBER: EW014687

PUBLICATION DATE: MAY 87

TITLE: UNDERGROUND STORAGE SYSTEMS. LEAK DETECTION AND MONITORING.
PERSONAL AUTHOR: SCHWENDEMAN, TODD G.; WILCOX, H. KENDALL

DESCRIPTOR: *EQUIPMENT; *LEAK DETECTION; *MANAGEMENT; *MONITORING; *STORAGE SYSTEMS; *STORAGE TANKS; *UNDERGROUND STORAGE SYSTEMS; *WATER POLLUTION CONTROL; *WATER QUALITY; *GROUNDWATER

DESCRIPTIVE NOTE: 250P. $44.95

ABSTRACT: THIS BOOK PRESENTS INFORMATION ON LEAK DETECTION AND MONITORING FOR UNDERGROUND STORAGE SYSTEMS. INFORMATION IS INCLUDED ON: (1) HOW TO DETECT A RELEASE; (2) WHAT EQUIPMENT IS REQUIRED; (3) HOW EQUIPMENT CAN BE IMPLEMENTED; (4) TECHNIQUES AVAILABLE FOR MONITORING; AND (5) HOW TO ACHIEVE A COMPREHENSIVE MONITORING PROGRAM.

AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN STREET, P.O. DRAWER 519, CHELSEA, MICHIGAN 48118

IRIS ACCESSION NUMBER: EW014688

PUBLICATION DATE: 86

TITLE: A BETTER MOUSETRAP: IMPROVING PEST MANAGEMENT FOR AGRICULTURE.

PERSONAL AUTHOR: DOVER, MICHAEL J.

DESCRIPTOR: *BIOLOGICAL CONTROL: *CHEMICALS: *INTEGRATED PEST MANAGEMENT; *PESTICIDES: *PEST CONTROL: *PEST MANAGEMENT: *PUBLIC HEALTH: *SAFETY: *PERFORMANCE EVALUATION; *TECHNOLOGY; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 80P. $10.00 PAPERBACK, ORDER #716

ABSTRACT: REVIEWED IS A NEW GENERATION OF PEST-CONTROL TECHNOLOGIES, CHEMICALS, AND APPROACHES. THESE "BETTER MOUSETRAPS" INCLUDE SAFER AND MORE EFFECTIVE DEVICES FOR MANUFACTURING, PACKAGING, STORING, AND APPLYING PESTICIDES, AS WELL AS CONTROLLING THEIR DRIFT. THEY HAVE GIVEN IMPETUS TO EFFORTS TO IMPROVE BIOLOGICAL METHODS OF PEST CONTROL AND TO DEVELOP SYSTEM-WIDE APPROACHES TO THE NEVER-ENDING WAR WITH VERMIN. THIS REPORT INCLUDES SPECIFIC RECOMMENDATIONS FOR IMPROVING "INTEGRATED PEST MANAGEMENT" THROUGH RESEARCH, EXTENSION, REGULATION AND INCENTIVES, AND INTERNATIONAL ASSISTANCE.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES, PA 19043

IRIS ACCESSION NUMBER: EW014690

PUBLICATION DATE: 86

TITLE: TROUBLED WATERS: NEW POLICIES FOR MANAGING WATER IN THE AMERICAN WEST.

PERSONAL AUTHOR: EL-ASHRY, MOHAMED T.; GIBBONS, DIANA C.

DESCRIPTOR: *AGRICULTURE: *CONSERVATION: *MANAGEMENT; *MUNICIPALITIES: *NATURAL RESOURCES: *POLICIES: *WATER RESOURCES; *WATER SUPPLY; *WATER USE: *RECOMMENDATIONS

DESCRIPTIVE NOTE: 75P. $10.00 PAPERBACK, ORDER #704

ABSTRACT: THIS REPORT ANALYSES THE DISTRIBUTION OF WATER AND ITS USE ACROSS SEVEN WESTERN STATES. IT FOCUSES ON THE EMERGING CONFLICTS BETWEEN FARMERS AND RAPIDLY GROWING NUMBERS OF URBAN RESIDENTS AND OFFERS POSSIBLE SOLUTIONS TO HELP CONSERVE, REALLOCATE, AND IMPROVE THE EFFICIENCY OF WATER SUPPLIES. THE AUTHORS CONTEND THAT WATER SCARCITY IN THE WESTERN REGION IS AN ESCALATING PROBLEM, REQUIRING A SOLUTION.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES, PA 19043

IRIS ACCESSION NUMBER: EW014691

PUBLICATION DATE: 86

TITLE: SKIMMING THE WATER: RENT-SEEKING AND THE PERFORMANCE OF PUBLIC IRRIGATION SYSTEMS.

PERSONAL AUTHOR: REPETTO, ROBERT

DESCRIPTOR: *AGRICULTURE: *DEVELOPING COUNTRIES: *COSTS: *IRRIGATION; IRRIGATION SYSTEMS: *PUBLIC IRRIGATION SYSTEMS: *POLICIES: NATURAL RESOURCES: *WATER USE: *ENVIRONMENTAL IMPACT: *RECOMMENDATIONS

DESCRIPTIVE NOTE: 47P. $10.00 PAPERBACK, ORDER #792

ABSTRACT: THIS STUDY EXAMINES THE PRACTICES OF GOVERNMENTS AND INTERNATIONAL AGENCIES IN MONITORING PUBLIC IRRIGATION SYSTEMS. IT SHOWS HOW PERVERSE FINANCING POLICIES SIMULTANEOUSLY COST GOVERNMENT HUGE SUMS AND DISTORT INVESTMENT DECISIONS, WHILE ENCOURAGING ENVIRONMENTAL ABUSE AND WASTING NATURAL RESOURCES. INDICATING THAT SOUND RESOURCE USE IS OFTEN DISCOURAGED BY MISGUIDED ECONOMIC INCENTIVES, REPETTO MAKES SEVERAL RECOMMENDATIONS FOR SOLVING THIS PROBLEM.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES, PA 19043

IRIS ACCESSION NUMBER: EW014692

PUBLICATION DATE: 85

TITLE: GETTING TOUGH: PUBLIC POLICY AND THE MANAGEMENT OF PESTICIDE RESISTANCE.

PERSONAL AUTHOR: DOVER, MICHAEL; CROFT, BRIan

DESCRIPTOR: *AGRICULTURE: *PESTICIDE RESISTANCE: *PESTICIDES: *PUBLIC POLICY: *POLICIES: *MANAGEMENT; *RECOMMENDATIONS: *MONITORING; *REGULATIONS

DESCRIPTIVE NOTE: 80P. $10.00 PAPERBACK, ORDER #724

ABSTRACT: THIS STUDY EXPLORES THE INCREASINGLY SERIOUS PROBLEM OF PESTICIDE RESISTANCE, INCLUDING LOSSES IN CROP PRODUCTION, THREATS TO HUMAN HEALTH, AND DAMAGE TO THE ENVIRONMENT. THE AUTHORS EXPLAIN WHY RESISTANCE MANAGEMENT OFFERS HOPE IN THE WAR AGAINST UNWANTED IMMUNITY TO PESTICIDES AND WHY SPECIFIC POLICIES TO COORDINATE PRIVATE AND GOVERNMENT EFFORTS ARE NEEDED. RECOMMENDED ARE 25 TIMELY AND COMPLEMENTARY POLICY ACTIONS, INCLUDING STEPPED-UP MONITORING, MANDATORY AND VOLUNTARY CONTROLS ON PESTICIDE USE, EDUCATION, AND ADDITIONAL RESEARCH.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES PA 19043

IRIS ACCESSION NUMBER: EW014693

PUBLICATION DATE: 85

TITLE: FIELD DUTY: U.S. FARMWORKERS AND PESTICIDE SAFETY.

PERSONAL AUTHOR: WASSERSTROM, ROBERT S.; WILES, RICHARD

DESCRIPTOR: *FARMWORKERS: *OCCUPATIONAL SAFETY: *PESTICIDES: *REGULATIONS: *SAFETY: *PUBLIC HEALTH: *RECOMMENDATIONS: *RESEARCH NEEDS

DESCRIPTIVE NOTE: 73P. $10.00 PAPERBACK, ORDER #714

ABSTRACT: SEPARATING FACT FROM CONJECTURE, THE AUTHORS SET FORTH NEW RESEARCH AND NEW REGULATORY PRIORITIES. TOGETHER, THEIR RECOMMENDATIONS PROVIDE A FRAMEWORK FOR THINKING SYSTEMATICALLY ABOUT MANAGING THE OCCUPATIONAL HAZARDS OF PESTICIDE USE AND FOR ACTING PRUDENTLY TO REDUCE RISKS. OUTLINED ARE RESEARCH NEEDS AND DATA REQUIREMENTS, AS WELL AS A PROPOSAL FOR STRENGTHENING EPA'S REGULATORY PROGRAM. CONTENTS INCLUDE: (1) INTRODUCTION; (2) BACKGROUND: A. A BRIEF HISTORY. B. PESTICIDE REGISTRATION. THE CHLOROBENZILATE SPECIAL REVIEW; (3) APPLICATOR TRAINING AND FIELDWORKER PROTECTION. A. THE CERTIFICATION PROGRAM. B. PROTECTING FIELDHANDS; (4) CONCLUSIONS AND RECOMMENDATIONS. A. RESEARCH NEEDS AND DATA REQUIREMENTS. B. STRENGTHENING EPA'S REGULATORY PROGRAM: HEALTH AND SAFETY; RECLASSIFICATION OF PESTICIDES; PROTECTIVE CLOTHING; SUPERVISION OF SPRAYERS, MIXERS, AND LOADERS; ENFORCEMENT; INTERNATIONAL COLLABORATION. C. FUTURE AGENDA FOR FIFRA REFORM: USE BY PRESCRIPTION; PERMITS AND USER FEES.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES, PA 19043

IRIS ACCESSION NUMBER: EW014694

PUBLICATION DATE: 85

TITLE: THE AMERICAN WEST'S ACID RAIN TEST.

PERSONAL AUTHOR: ROTH, PHILIP; AND OTHERS

DESCRIPTOR: *ACID RAIN; *POLICIES; *RECOMMENDATIONS; *STATUS REPORTS; *AIR POLLUTION CONTROL; *POLLUTION CONTROL; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 50P. $10.00 PAPERBACK, ORDER #717

ABSTRACT: THIS REPORT ADDRESSES PROBLEMS OF THE WEST AND CALLS FOR SIX PREVENTATIVE MEASURES INCLUDING: A BETTER SCIENTIFIC BASIS FOR POLICY-MAKING, A REDUCTION OF AUTOMOBILE NOX EMISSIONS, SMELTER-EMISSIONS CONTROLS, CHANGES IN FACILITIES-SITING PROCEDURES UNDER THE CLEAN AIR ACT, AND INCREASED SUPPORT FOR ENERGY CONSERVATION AND RENEWABLE ENERGY.

AVAILABILITY: WORLD RESOURCES INSTITUTE, P.O. BOX 620, HOLMES, PA 19043

IRIS ACCESSION NUMBER: EW014695

PUBLICATION DATE: 87

TITLE: SLUDGE DISINFECTION: A REVIEW OF THE LITERATURE.

DESCRIPTOR: *DISINFECTION; *LITERATURE REVIEWS; *OPERATIONS (WASTEWATER); *SLUDGE; *SLUDGE DISINFECTION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 50P. MEMBER--$20.00, NON-MEMBER--$25.00, ORDER #P0 040FE

ABSTRACT: THIS BOOK WAS DESIGNED AS A SINGLE SOURCE DOCUMENT TO REVIEW CURRENT LITERATURE ON SLUDGE DISINFECTION TECHNIQUES. ALL METHODS PRESENTED MEET PSRP AND/OR PFRP REGULATIONS.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, PUBLICATIONS ORDER DEPARTMENT, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014696

TITLE: CHLORINATION OF WASTEWATER.

DESCRIPTOR: BOD REDUCTION; *CHLORINATION; CORROSION CONTROL; *DISINFECTION; *OPERATIONS (WASTEWATER); *SAFETY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 111P. MEMBER--$9.00, NON-MEMBER--$12.00, ORDER #M00 04FE. REPRENTED 1986.

ABSTRACT: EVERY ASPECT OF CHLORINATION FROM DISINFECTION AND SAFETY PRACTICES TO OTHER USES OF CHLORINE SUCH AS CORROSION CONTROL AND BOD REDUCTION IS REVIEWED IN THIS MANUAL.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, PUBLICATIONS ORDER DEPARTMENT, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014697

PUBLICATION DATE: 87

TITLE: WASTEWATER DISINFECTION.

DESCRIPTOR: *DESIGN; *DISINFECTION; *MAINTENANCE; *OPERATIONS (WASTEWATER); *SAFETY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 165P. MEMBER--$28.00, NON-MEMBER--$38.00, ORDER #MFD10FE

ABSTRACT: THE MOST CURRENT DISINFECTION PRACTICES, INCLUDING OZONATION AND ULTRA VIOLET LIGHT, ARE COVERED IN THIS COMPREHENSIVE DISINFECTION MANUAL. SYSTEM DESIGN, SAFETY PROCEDURES AND OPERATION AND MAINTENANCE FOR CHLORINATION AND DECHLORINATION FACILITIES ARE ALSO REVIEWED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, PUBLICATIONS ORDER DEPARTMENT, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014698

PUBLICATION DATE: 4

TITLE: WASTEWATER DISINFECTION: A STATE-OF-THE-ART REPORT.

DESCRIPTOR: *DISINFECTION; *EPIDEMIOLOGY; *ENVIRONMENTAL IMPACT; *LITERATURE REVIEWS; *OPERATIONS (WASTEWATER TREATMENT); *RESEARCH REPORTS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 78P. MEMBER--$20.00, NON-MEMBER--$25.00. ORDER #P0050FE

ABSTRACT: THIS IS A REPORT ON CURRENT DISINFECTION PRACTICES. EPIDEMIOLOGY, THE ADVANTAGES OF DISINFECTION TECHNIQUES AND THE ENVIRONMENTAL IMPACT OF DISINFECTION ARE COVERED. THE TEXT INCLUDES OVER 200 REFERENCES TO IMPORTANT STUDIES AND REPORTS ON THIS SUBJECT.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, PUBLICATIONS ORDER DEPARTMENT, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014699

PUBLICATION DATE: 87

TITLE: HANDLING HAZARDOUS MATERIALS AND WASTE.

PERSONAL AUTHOR: ALLEGRIX, T.H.

DESCRIPTOR: *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *MATERIALS HANDLING; *REGULATIONS; *INDUSTRIAL WASTES; *LEGAL REQUIREMENTS; *SAFETY; *WASTE DISPOSAL; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 450P. $49.50

ABSTRACT: CHAPTERS INCLUDE FEDERAL REGULATIONS, THE SHIPMENT OF HAZARDOUS MATERIALS, IDENTIFYING SUCH MATERIALS, WITH SPECIFIC REFERENCE TO PCB'S, PESTICIDES, HEAVY METAL WASTES AND OTHER TOXIC POLLUTANTS. THE AUTHOR REVIEWS THE MANNER IN WHICH HAZARDOUS INDUSTRIAL WASTE MATERIALS NEED TO BE HANDLED THROUGHOUT THEIR LIFE CYCLES, AND ALSO DISCUSSES THE LEGAL AND ETHICAL REQUIREMENTS INVOLVED IN THEIR USE.

AVAILABILITY: CHAPMAN, HALL AND METHUEN, INC., NEW YORK

IRIS ACCESSION NUMBER: EW014700

PUBLICATION DATE: 87

TITLE: SPREADING THE WORD: A PUBLICITY HANDBOOK FOR RECYCLING.

PERSONAL AUTHOR: BATTY, SANDY

DESCRIPTOR: *COMMUNICATIONS; *HANDBOOKS; *PUBLICITY; *ENVIRONMENT; *PUBLIC RELATIONS; *RECYCLING; *WASTE REDUCTION; *RESOURCE RECOVERY

DESCRIPTIVE NOTE: 20P. $8.00

ABSTRACT: THIS BOOK INCLUDES TEAR-OUT SHEETS WITH REPRODUCIBLE GRAPHICS. THE HANDBOOK IS ILLUSTRATED WITH WRITTEN MATERIALS DEVELOPED BY THE ASSOCIATION OF NEW JERSEY ENVIRONMENTAL COMMISSIONS (ANJEC), WHICH THE AUTHOR SERVES AS RECYCLING COORDINATOR.

AVAILABILITY: ANJEC, P.O. BOX 157, MENDHAM, NJ 07945

IRIS ACCESSION NUMBER: EW014702

PUBLICATION DATE: 87

TITLE: FOREST ALTERNATIVE FOR MUNICIPAL AND INDUSTRIAL WASTES.

PERSONAL AUTHOR: COLE, DALE

DESCRIPTOR: *CASE STUDIES; *COSTS; *ENVIRONMENTAL IMPACT; *FORESTS; *INDUSTRIAL WASTES; *LAND APPLICATIONS; *MUNICIPAL WASTES; *FEDERAL GUIDELINES; *WASTE DISPOSAL; *SLUDGE; *WASTEWATER

DESCRIPTIVE NOTE: 592P. $50.00

ABSTRACT: THIS VOLUME IS BASED ON THE FOREST LAND APPLICATIONS SYMPOSIUM HELD IN JUNE, 1985. SECTIONS PROVIDE A DISCUSSION OF FEDERAL GUIDELINES, RESEARCH PROJECTS, ENVIRONMENTAL EFFECTS AND FOREST RESPONSE. THE PROGRAM IMPLEMENTATION SECTION DISCUSSES PUBLIC REACTION AND INVOLVEMENT, TECHNOLOGY AND COSTS. CASE STUDIES ARE OFFERED TO SHOW APPLICATION EXPERIENCES THROUGHOUT THE WORLD.

AVAILABILITY: UNIVERSITY OF WASHINGTON PRESS, P.O. BOX 50096, SEATTLE, WA 98145

IRIS ACCESSION NUMBER: EW014703

TITLE: TEAMWORK--SAFE HANDLING OF A HAZARDOUS MATERIALS INCIDENT.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CLEANUP; *HANDLING; *INSTRUCTIONAL MATERIALS; *HAZARDOUS MATERIALS; *EMERGENCY RESPONSE; *PLANNING; *TRAINING; *VIDEOTAPES

DESCRIPTIVE NOTE: VIDEOTAPE. CONTACT CMA FOR PRICES.

ABSTRACT: THIS PROGRAM STRESSES THE NEED FOR PREPLANNING FOR AN INCIDENT, ESTABLISHING WHO IS IN CHARGE, AND ASSIGNING ROLES FOR RESPONDERS. IT ALSO IDENTIFIES SOURCES OF ASSISTANCE AND HOW TO ACTIVATE THEM, AND COVERS THE NEED TO WORK WITH MEDIA ON THE SCENE AND THE IMPORTANCE OF A POST-INCIDENT CRITIQUE. THESE POINTS ARE DEMONSTRATED THROUGH A SIMULATED SCENARIO INVOLVING AN OVERTURNED TANK TRUCK THAT IS LEAKING FLAMMABLE POISONOUS MATERIAL. THE SCENARIO COVERS EACH PHASE OF THE "INCIDENT" FROM THE TIME IT HAPPENS THROUGH CLEANUP AND CRITIQUE.

AVAILABILITY: CMA. 2501 M. STREET, N.W., WASHINGTON, D.C. 20037

IRIS ACCESSION NUMBER: EW014704

PUBLICATION DATE: 87

TITLE: HAZARD ASSESSMENT OF CHEMICALS. VOLUME 5.

PERSONAL AUTHOR: SAXENA, JINTENDRA

DESCRIPTOR: *CHEMICALS: *HAZARDOUS MATERIALS: *HAZARD ASSESSMENT; *RISK ASSESSMENT; INFORMATION SOURCES; MONITORING; ENVIRONMENTAL IMPACT

DESCRIPTIVE NOTE: 436P. $69.95

ABSTRACT: THIS SERIAL PUBLICATION PROVIDES A SINGLE FORM FOR COMPREHENSIVE AND AUTHORITATIVE ARTICLES ABOUT NEW AND SIGNIFICANT DEVELOPMENTS WITHIN THE BROAD FIELD OF CHEMICAL HAZARD ASSESSMENT. TOPICS INCLUDE: DATA BASES AND INFORMATION SOURCES; EXPOSURE ASSESSMENT MONITORING AND ANALYSIS; RISK ASSESSMENT; AND ENVIRONMENTAL EFFECTS. THIS VOLUME COMPRISES SEVEN SUBJECT REVIEWS AND TWO CASE STUDIES.

AVAILABILITY: HEMISPHERE PUBLISHING CORPORATION, 79 MADISON AVE., NEW YORK, N.Y. 10016

IRIS ACCESSION NUMBER: EW014705

PUBLICATION DATE: 87

TITLE: SURFACTANT BIODEGRADATION, SECOND EDITION.

PERSONAL AUTHOR: SWISHER, R.D.

DESCRIPTOR: BIBLIOGRAPHIES; *BIODEGRADATION; *ANALYTICAL TECHNIQUES; CHEMICAL REACTIONS; *SURFACTANT BIODEGRADATION; *WATER POLLUTION CONTROL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 1120P. U.S. & CANADA--$149.75. ALL OTHER COUNTRIES--$179.50

ABSTRACT: EACH CHAPTER IN THE NEW EDITION CONTAINS THE LATEST INFORMATION AVAILABLE ON THE PHENOMENON OF SURFACANT BIODEGRADABILITY, PARTICULARLY IN WATER POLLUTION. THE BOOK PROVIDES ANCILLARY TREATMENT OF THE INTERDISCIPLINARY BACKGROUND, EXPLAINS THE CHEMICAL PROPERTIES LEADING TO SURFACANCY, AND REVIEWS BASIC PRINCIPLES OF ANALYTICAL METHODS. IT OFFERS AN EXHAUSTIVE BIBLIOGRAPHY AND HUNDREDS OF EASY-TO-USE TABLES.

AVAILABILITY: MARCEL DEKKER, INC., 270 MADISON AVE., NEW YORK, N.Y. 10016

IRIS ACCESSION NUMBER: EW014706

PUBLICATION DATE: 86

TITLE: HANDBOOK OF ENVIRONMENTAL ENGINEERING, VOLUME 3, BIOLOGICAL TREATMENT PROCESSES.

PERSONAL AUTHOR: WANG, LAWRENCE K.; PEREIRA, NORMAN C.

DESCRIPTOR: *BIOLOGICAL TREATMENT PROCESSES; *ENVIRONMENTAL ENGINEERS; *ENGINEERING; *HANDBOOKS; *WASTE TREATMENT

DESCRIPTIVE NOTE: 520P. U.S.--$79.50. EXPORT--$89.00

ABSTRACT: THIS EDITION OFFERS NOT ONLY THOROUGH ANALYSES OF EVERY ASPECT OF THIS MAJOR ENVIRONMENTAL ENGINEERING PROBLEM, BUT ALSO PRACTICAL EXPOSITION OF THE STATE-OF-THE-ART METHODS AND TECHNIQUES THAT ENGINEERS COMMONLY IMPLOY IN THEIR SOLUTIONS. THE BOOK OFFERS COMPREHENSIVE TUTORIALS ON BOTH THE THEORY AND APPLICATIONS OF BIOLOGICAL TREATMENT PROCESSES--AUTHORITATIVE AND PRACTICAL REVIEWS THAT WILL BENEFIT ENGINEERS, STUDENTS, MANAGERS, AND OTHERS NEEDING TO UNDERSTAND AND EFFECTIVELY SOLVE TODAY'S BIOLOGICAL WASTE TREATMENT PROBLEMS.

AVAILABILITY: THE HUMANA PRESS, INC., CRESCENT MANOR, BOX 2148, CLIFTON, NJ 07015

IRIS ACCESSION NUMBER: EW014707

PUBLICATION DATE: 86

TITLE: MANAGING WATER RESOURCES.

PERSONAL AUTHOR: CAIRNS, JOHN, JR.; PATRICK, RUTH

DESCRIPTOR: *MANAGEMENT; *NATURAL RESOURCES; *WATER RESOURCES; *WATER SUPPLY; *WATER USE

DESCRIPTIVE NOTE: 127P. $39.95

ABSTRACT: ACCORDING TO ESTIMATES, THE DEMAND FOR WATER BY HUMANS HAS INCREASED EIGHT TIMES SINCE THE TURN OF THE CENTURY. THE BOOK DEBATES THIS AND OTHER ISSUES. SCIENTISTS, PUBLIC LEADERS, AND REPRESENTATIVES FROM INDUSTRY DISCUSS WHAT IS BEING DONE TO MANAGE THE WATER SUPPLY AS WELL AS REPORT ON THE STATUS OF CONSERVATION AND RECYCLING EFFORTS. THEY DESCRIBE WHAT HAS BEEN DONE AND HOW THE PUBLIC AND PRIVATE SECTORS AND THE SCIENTIFIC COMMUNITY CAN WORK TOGETHER TO DEVELOP EVEN MORE EFFECTIVE POLICIES.

AVAILABILITY: PRAEGER PUBLISHERS, 521 FIFTH AVE., NEW YORK, N.Y. 10175

IRIS ACCESSION NUMBER: EW014708

PUBLICATION DATE: 86

TITLE: ORGANIC CARCINOGENS IN DRINKING WATER, DETECTION, TREATMENT, AND RISK ASSESSMENT.

PERSONAL AUTHOR: RAM, NEIL M.

DESCRIPTOR: *CARCINOGENS; *DRINKING WATER; *ORGANIC COMPOUNDS; *POLLUTANTS; *RISK ASSESSMENT; *PUBLIC HEALTH; *WATER TREATMENT; *REGULATIONS

DESCRIPTIVE NOTE: 542P. $65.00

ABSTRACT: THIS IS AN INTEGRATED, BROAD TREATMENT OF ORGANIC MICROPOLLUTANTS IN DRINKING WATER. IT ENCOMPASSES ALL ASPECTS OF THE SUBJECT, INCLUDING AN OVERVIEW OF THE PROBLEM, UP-TO-DATE DATA ON THE EXTENT AND NATURE OF POLLUTANTS, DETECTION METHODS, TREATMENT METHODS, HEALTH ASSESSMENT, AND REGULATORY ASPECTS. IT CONTAINS INFORMATION INCLUDING THE SIGNIFICANCE OF MICROORGANIC CONTAMINATION, TO CHEMISTRY OF AQUEOUS CHLORINE, AND THE LEVELS AND SIGNIFICANCE OF ORGANIC PERCURSORS; AND METHODS USED IN CONCENTRATING, SEPARATING, IDENTIFYING, AND QUANTIFYING MICROORGANICS.

AVAILABILITY: JOHN WILEY AND SONS, INC., ONE WILEY DRIVE, SOMERSET, NJ 08873

IRIS ACCESSION NUMBER: EW014709

PUBLICATION DATE: 86

TITLE: REMEDIAL ACTION TECHNOLOGY FOR WASTE DISPOSAL SITES. POLLUTION TECHNOLOGY REVIEW NO. 135.

PERSONAL AUTHOR: WAGNER, KATHLEEN; AND OTHERS

DESCRIPTOR: *CONTAMINANTS; *REMEDIAL ACTION; *TECHNOLOGY; *WASTE DISPOSAL; *WASTE DISPOSAL SITES

DESCRIPTIVE NOTE: 642P. $54.00

ABSTRACT: THIS REVISED AND GREATLY EXPANDED SECOND EDITION COVERS REMEDIAL ACTION TECHNOLOGY DESIGNED TO CONTROL, CONTAIN, TREAT, OR REMOVE CONTAMINANTS AT WASTE DISPOSAL SITES, PARTICULARLY HAZARDOUS WASTE SITES.

AVAILABILITY: NOYES PUBLICATIONS, MILL ROAD AT GRAND AVE., PARK RIDGE, NJ 07656

IRIS ACCESSION NUMBER: EW014710

PUBLICATION DATE: 86

TITLE: 1986 UPDATE--WATER POLLUTION CONTROL INDUSTRY OUTLOOK.

DESCRIPTOR: *BUSINESS OPPORTUNITIES; *INDUSTRY; *TRENDS; PLANNING; PRIVATIZATION; *WATER POLLUTION CONTROL; WATER QUALITY; WATER RESOURCES; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 900P. $995.00

ABSTRACT: THIS IS A STUDY OF THE FORCES WHICH HAVE CHANGED THE MARKET IN THE PAST SEVERAL YEARS AND AN OUTLOOK THROUGH 1995. MAJOR ACTIVITIES EXAMINED INCLUDE WATER RESOURCE PLANNING AND DEVELOPMENT, WATER AND WASTEWATER TREATMENT, WASTEWATER REUSE AND RECYCLING, TRANSMISSION AND STORAGE, AND INSTRUMENTATION. IN ADDITION, THIS STUDY COVERS THE OPPORTUNITIES IN WATER MARKETING AND PRIVATIZATION OF MUNICIPAL WATER AND WASTEWATER SYSTEMS. A DISCUSSION OF CORROSION CONTROL AND SCALE INHIBITING CHEMICALS IS PROVIDED. OVER 200 VALVES ARE OUTLINED AND SUPPORTED IN THE TEXT.

AVAILABILITY: WILLIAM T. LORENZ & CO., 85 WARREN ST., CONCORD, NH 03301

IRIS ACCESSION NUMBER: EW014712

PUBLICATION DATE: 86

TITLE: HAZARDOUS WASTE WORKBOOK.

PERSONAL AUTHOR: WINSLOW, HAL

DESCRIPTOR: *CLEANUP; *COMPLIANCE; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *HANDBOOKS; *REGULATIONS; *USEPA; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 220P. $129.95

ABSTRACT: WRITTEN AND DESIGNED FOR SMALL BUSINESSES UNACCUSTOMED TO GOVERNMENTAL REGULATORY PROCEDURES AND LANGUAGE. THE WORKBOOK PROVIDES THE EXPLANATIONS AND MATERIAL NECESSARY TO COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY--SELF-HELP GUIDES, AS WELL AS ENOUGH LABELS, FORMS, AND SHIPPING MANIFESTS TO LAST THE AVERAGE SMALL BUSINESSMAN FOR A YEAR. THE WORKBOOK DISCUSSES COST-EFFECTIVE HELP IN COMPLYING WITH THE RULES FOR THE SAFE DISPOSAL OF HAZARDOUS WASTE; AND GIVES PRACTICAL GUIDANCE FOR MINIMIZING THE RISK OF MASSIVE, LONG-TERM CLEAN-UP.

AVAILABILITY: AMERICAN LABELMARK CO., INC., LABELMASTER DIVISION, 5724 NORTH PULASKI RD., CHICAGO, IL 60646

IRIS ACCESSION NUMBER: EW014713

PUBLICATION DATE: 86

TITLE: CERTIFIED HAZARDOUS MATERIALS MANAGER STUDY GUIDE AND HANDBOOK.

DESCRIPTOR: COMPLIANCE; *HANDBOOKS; *HAZARDOUS MATERIALS; LIABILITY; *MANAGEMENT; REGULATIONS; *WASTE DISPOSAL; *WASTE TREATMENT; TOXICOLOGY; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 185P. $15.00 FOR CHMM DIPLOMATS OR CANDIDATES REGISTERED FOR THE EXAMINATION. $20.00 FOR OTHERS

ABSTRACT: A COMPREHENSIVE COVERAGE OF THE FUNDAMENTAL KNOWLEDGE AND INFORMATION THAT A PROFESSIONAL HAZARDOUS MATERIALS MANAGER/ENGINEER NEEDS TO FUNCTION EFFECTIVELY. THE BOOK INCLUDES THE FOLLOWING TOPICS: LIABILITY AND COMPLIANCE; TOXICOLOGY; CHEMISTRY AND HAZARDOUS MATERIALS; RCRA REVIEW; HAZARDOUS WASTE STORAGE; CHEMICAL AND PHYSICAL ANALYSIS AND WASTE ANALYSIS PLANS; HAZARDOUS WASTE TREATMENT AND DISPOSAL; MANAGING UNDERGROUND STORAGE TANKS; AND THE CLEAN WATER ACT AND COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.

AVAILABILITY: INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT, 5010 A NICHOLSON LANE, ROCKVILLE, MD 20852

IRIS ACCESSION NUMBER: EW014714

PUBLICATION DATE: 86

TITLE: ORGANIC CARCINOGENS IN DRINKING WATER.

PERSONAL AUTHOR: RAM, NEIL M.; AND OTHERS

DESCRIPTOR: *CARCINOGENS; *DRINKING WATER; *MONITORING; *OPERATIONS (WATER); *ORGANIC COMPOUNDS; *PUBLIC HEALTH; *REGULATIONS; *POLLUTION CONTROL; *WATER TREATMENT

DESCRIPTIVE NOTE: 542P. $65.00

ABSTRACT: THIS IS A BROAD TREATMENT OF ORGANIC MICROPOLLUTANTS IN DRINKING WATER. IT ENCOMPASSES ALL ASPECTS OF THE SUBJECT, INCLUDING AN OVERVIEW OF THE PROBLEM, UP-TO-DATE DATA ON THE EXTENT AND NATURE OF POLLUTANTS, DETECTION METHODS, TREATMENT METHODS, HEALTH ASSESSMENT, AND REGULATORY ASPECTS.

AVAILABILITY: JOHN WILEY & SONS, INC., ONE WILEY DR., SOMERSET, NJ 08873

IRIS ACCESSION NUMBER: EW014715

PUBLICATION DATE: 86

TITLE: SEWERAGE--VALUE FOR MONEY.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DESIGN; *COSTS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *MAINTENANCE; *SEWERS; *WASTEWATER COLLECTION; *GREAT BRITAIN

DESCRIPTIVE NOTE: 150P. $12.00 NON-MEMBERS, $10.00 MEMBERS

ABSTRACT: A TOTAL OF 15 PAPERS WERE PRESENTED AT THIS SYMPOSIUM AND ALL ARE INCLUDED IN THE PROCEEDINGS WITH THE EDITED DISCUSSION. PAPERS WERE PRESENTED FROM: NORWAY, FRANCE AND WEST GERMANY, AND GREAT BRITAIN. THE PAPERS COVERED A WIDE RANGE OF SUBJECTS RELATING TO SEWERAGE, INCLUDING DESIGN, HYDRAULIC PERFORMANCE, MANAGEMENT AND FINANCIAL CONTROL OF SEWERAGE SYSTEMS; PUMPING SYSTEMS AND RISINGS MAINS; TUNNELLING; PIPE JACKING; ORIGIN AND AVOIDANCE OF SEWER DAMAGE; AND RENNOVATION.

AVAILABILITY: IWPC, 53 LONDON RD., MAIDSTONE, KENT ME16 0JH

IRIS ACCESSION NUMBER: EW014716

TITLE: PESTICIDES AND GROUNDWATER.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *CONTAMINATION; *GROUNDWATER; *REGULATIONS; *LEACHING; *PESTICIDES; *MONITORING; *PUBLIC HEALTH; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: $31.95

ABSTRACT: THIS IS THE PROCEEDINGS OF A CONFERENCE CO-SPONSORED BY THE FRESHWATER FOUNDATION, THE U.S. ENVIRONMENTAL PROTECTION AGENCY, MIDWEST STATE HEALTH AGENCIES, AND MEDICAL GROUPS. COVERED ARE SUCH TOPICS AS PESTICIDE LEACHING, GROUNDWATER MONITORING, CHRONIC HEALTH EFFECTS, REGULATION AND STANDARD-SETTING, AND GROUNDWATER PROTECTION.

AVAILABILITY: FRESHWATER FOUNDATION, 2500 SHADYWOOD RD., BOX 90, NAVARRE, MN 55392

IRIS ACCESSION NUMBER: EW014718

PUBLICATION DATE: 86

TITLE: INDUSTRIAL & HAZARDOUS WASTE MANAGEMENT FIRMS.

DESCRIPTOR: *DIRECTORIES; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *FACILITIES; *MANAGEMENT FIRMS; *INDUSTRIAL WASTES; *SPILL RESPONSE SERVICES; *WASTE DISPOSAL; *WASTE TRANSPORTATION

DESCRIPTIVE NOTE: 683P. $89.95--NATIONAL EDITION, $29.95--REGIONAL EDITION

ABSTRACT: "INDUSTRIAL & HAZARDOUS WASTE MANAGEMENT FIRMS" IS A DIRECTORY OF WASTE MANAGEMENT AND SPILL RESPONSE SERVICES. THE FOCUS OF THE DIRECTORY IS ON COMMERCIAL AND INDUSTRIAL HAZARDOUS WASTE FACILITIES, TRANSPORTATION SERVICES, AND SPILL RESPONSE SERVICES. EACH STATE SECTION INCLUDES A FACILITY LOCATOR MAP, SUMMARY TABLE OF WASTE TYPES ACCEPTED, REGULATORY INFORMATION, FACILITY SUMMARIES AND TRANSPORTER SUMMARIES. ELEVEN TYPES OF SPECIAL SERVICES ARE INCLUDED IN THE DIRECTORY. THESE ARE: CHEMICAL SUPPLIERS, DRUM RECONDITIONERS, INFECTIOUS WASTE SERVICES, LOW-LEVEL NUCLEAR WASTE DISPOSAL, MOBILE TREATMENT, PCB SERVICES, RESOURCE RECOVERY, SOLVENT RECLAMATION, SPILL RESPONSE, THERMAL TREATMENT, AND TRANSPORTATION SERVICES. THE DIRECTORY ALSO CONTAINS A MASTER INDEX OF EVERY FIRM INCLUDED. THIS INDEX IS ALPHABETIZED BY THE NAMES OF THE FIRMS AND DENOTES EVERY PAGE OF THE DIRECTORY WHERE THE FIRM IS MENTIONED.

AVAILABILITY: ENVIRONMENTAL INFORMATION LTD., 7400 METRO BOULEVARD, MINNEAPOLIS, MN 55435

IRIS ACCESSION NUMBER: EW014719

PUBLICATION DATE: 87

TITLE: CONTROLLING ACID RAIN. A NEW VIEW OF RESPONSIBILITY.

PERSONAL AUTHOR: CANNON, JAMES S.

DESCRIPTOR: *ACID RAIN; *COSTS; *ELECTRICITY; *ENERGY PRODUCTION; *ENVIRONMENTAL IMPACT; *FEDERAL ROLE; *POLLUTION CONTROL; *REGULATIONS; *STATE ROLE; *POLLUTION GENERATION; *SULFUR DIOXIDE EMISSIONS

DESCRIPTIVE NOTE: 55P. $9.95 PAPERBACK

ABSTRACT: THIS PUBLICATION EXAMINES RECENT TRANSFERS OF ELECTRIC POWER AMONG 48 STATES AND PRESENTS EVIDENCE OF SIGNIFICANT TRANSFERS OF ELECTRIC POWER FROM SO-CALLED "PERPETRATOR" TO "VICTIM" STATES. THE REPORT INCLUDES UTILITY AND GOVERNMENT DATA ON ELECTRICITY PRODUCTION AND SALES, ON PURCHASE OF OUT-OF-STATE ELECTRICITY, AND ON COAL USE AND SULFUR DIOXIDE EMISSIONS, STATE BY STATE, FOR 48 STATES.

AVAILABILITY: INFORM, 381 PARK AVENUE SOUTH, NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW014720

PUBLICATION DATE: FEB 87

TITLE: EVALUATION OF AN ACTIVATED SLUDGE SECONDARY CLARIFIER DISTRIBUTED INLET.

PERSONAL AUTHOR: SEMEN, JEANNETTE A.

DESCRIPTOR: *CLARIFIERS; *EQUIPMENT; *FACILITIES; *SECONDARY CLARIFIERS; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATIONS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 69P. $5.14

ABSTRACT: SECONDARY CLARIFIERS ARE CRUCIAL TO THE OVERALL PERFORMANCE OF THE ACTIVATED SLUDGE PROCESS. RESEARCH OVER THE LAST 40 YEARS INDICATES THAT DENSITY CURRENTS ARE FACTORS WHICH DEGRADE CLARIFIER PERFORMANCE WHEN NOT CONSIDERED IN DESIGN. HOWEVER, PRESENT DESIGNS OF MOST CENTER-FEED, PERIPHERAL OVERFLOW CLARIFIERS FAIL TO ADEQUATELY CONTROL THESE INFLUENCES. THIS DOCUMENT SUMMARIZES THE RESULTS OF A FULL-SCALE DEMONSTRATION PROJECT WHICH EVALUATED A UNIQUE INLET DESIGNED TO DISTRIBUTE FLOW IN THIS TYPE OF SECONDARY CLARIFIER EQUALLY BOTH HORIZONTALLY AND VERTICALLY AND PREVENT THE FORMATION OF DENSITY CURRENTS. THE INLET FAILED TO CREATE THE EXPECTED UNIFORMLY DISTRIBUTED FLOW OR IMPROVE THE CLARIFIER'S PERFORMANCE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014721

PUBLICATION DATE: 86

TITLE: SEWAGE SLUDGE DEWATERING USING FLOWING LIQUID METALS.

PERSONAL AUTHOR: CARLSON, LARRY W.

DESCRIPTOR: *EQUIPMENT; *INVENTIONS; *DEWATERING; *PATENTS; *PROCESS DESCRIPTIONS; *OPERATIONS (WASTEWATER); *SLUDGE; *SLUDGE DEWATERING; *RESOURCE RECOVERY; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 15P. $1.90

ABSTRACT: THIS INVENTION RELATES TO THE DEWATERING OF SEWAGE SLUDGE HAVING A MOISTURE CONTENT OF ABOUT 50% TO 80% IN THE FORM OF SMALL CELLULAR MICROORGANISM BODIES HAVING INTERNALLY CONFINED WATER. THE INVENTION USES A LIQUID METAL CIRCULATION LOOP INCLUDING A PUMP MEANS AND A HEATING MEANS FOR HEATING THE LIQUID METAL. A DESCRIPTION OF THE PROCESS AND A DRAWING DESCRIBING THE SYSTEM ARE INCLUDED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014722

PUBLICATION DATE: DEC 86

TITLE: SLUDGE COMPOSTING MARKETING AND DISTRIBUTION REGULATORY REQUIREMENTS IN THE UNITED STATES.

DESCRIPTOR: *AGRICULTURE; *COMPOSTING; *COMPOST; *MARKETING; *PUBLIC HEALTH; *REGULATIONS; *RISK ASSESSMENT; *SLUDGE; *SLUDGE COMPOSTING; *LAND APPLICATION; *RECOMMENDATIONS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 186P. PRICE: $12.16

ABSTRACT: THIS REPORT IS DIVIDED INTO THREE SECTIONS. SECTION I SUMMARIZES THE BACKGROUND AND THE PURPOSE OF THE REPORT. SECTION II IS AN EXTENSIVE COMPILATION OF CURRENT STATE AND FEDERAL SLUDGE USE REGULATIONS, AND SECTION III DESCRIBES THE RISKS ASSOCIATED WITH SLUDGE COMPOST USE AND, WHERE APPROPRIATE, RECOMMENDS REGULATORY APPROACHES AND FURTHER STUDY. SECTION II DESCRIBES THE MAIN INFORMATION SOURCES USED TO PREPARE STATE GUIDELINES AND REGULATIONS, AND SUMMARIZES THE OVERALL TRENDS AND MOST COMMON FEATURES IN THOSE REGULATIONS. THE ANALYSIS OF LOADING LIMITS AND MAXIMUM CONSTITUENT LIMITS CONCENTRATES ON THE NORTHEAST. IN SECTION III SEPARATE DISCUSSIONS ARE PRESENTED ON THE THREE MAIN AGENTS OF HEALTH RISKS IN SLUDGE: METALS, ORGANIC COMPOUNDS, AND PATHOGENS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014723

PUBLICATION DATE: 86

TITLE: DESIGN HANDBOOK OF WASTEWATER SYSTEMS, VOLUMES 1-4.

PERSONAL AUTHOR: LIKHACHEV, N.I.; AND OTHERS

DESCRIPTOR: *DESIGN; *FACILITIES; *HANDBOOKS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *PLANNING; *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 1065P. $395.00
ABSTRACT: THIS NEW DESIGN HANDBOOK OF WASTEWATER MANAGEMENT SYSTEMS, APPEARING IN FOUR VOLUMES, WILL BE PARTICULARLY USEFUL TO PRACTICING ENGINEERS AS A MANUAL OF PRACTICE AND REFERENCE TOOL, BECAUSE IT SUPPLIES THE KIND OF DETAILED AND PRACTICAL INFORMATION THAT IS LACKING IN OTHER REFERENCE MANUALS. ITS AIM IS TO PROVIDE ALL THE MATERIALS, INCLUDING THE NECESSARY DETAILS, NEEDED TO SELECT WASTEWATER MANAGEMENT SCHEMES AND TO DETERMINE THE SIZE OF MAJOR ELEMENTS AND UNITS INCLUDED IN THESE SCHEMES.

AVAILABILITY: ALLERTON PRESS, INC., 150 FIFTH AVENUE, NEW YORK, NY 10011

IRIS ACCESSION NUMBER: EW014724

PUBLICATION DATE: 87

TITLE: MICROBIOLOGICAL DECOMPOSITION OF CHLORINATED AROMATIC COMPOUNDS.

PERSONAL AUTHOR: ROCHKIND-DUBINSKY, MELISSA L.; AND OTHERS

DESCRIPTOR: *BIOLOGICAL DECOMPOSITION; *CHEMICALS; *CHLORINATED AROMATIC COMPOUNDS; *DEGRADATION; *MICROBIOLOGY; *PUBLIC HEALTH; *POLLUTION; *POLLUTION CONTROL; *TOXIC SUBSTANCES; *HAZARDOUS MATERIALS

DESCRIPTIVE NOTE: 336P. $69.75--U.S. AND CANADA, $83.50--ALL OTHER COUNTRIES

ABSTRACT: THIS WORK FOCUSES ON BACTERIAL, FUNGAL, AND CYANOBACTERIAL PATHWAYS OF SUBSTRATE DEGRADATION WHERE METABOLITIES OR END PRODUCTS HAVE BEEN IDENTIFIED. THE AUTHORS ALSO EVALUATE STUDIES THAT REPORT DATA ON METABOLITIES ARISING FROM INCUBATION OF THE SUBSTRATE WITH MIXED CULTURES OR ENVIRONMENTAL SAMPLES AND STUDIES THAT SHOW DISAPPEARANCE OF THE COMPOUND. THE BOOK PROVIDES SEPARATE CHAPTERS ON EACH CLASS OF CHLORINATED AROMATIC COMPOUND, REVIEWS MICROBIAL PHYSIOLOGY, GENETICS, AND METHODS OF BIODEGRADATION ASSESSMENT.

AVAILABILITY: MARCEL DEKKER, INC., 270 MADISON AVENUE, NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW014725

PUBLICATION DATE: 87

TITLE: ENVIRONMENTAL RADIOACTIVITY FROM NATURAL, INDUSTRIAL, AND MILITARY SOURCES. THIRD EDITION.

PERSONAL AUTHOR: EISENBUD, MERRIL.

DESCRIPTOR: *ACCIDENT PREVENTION; *ACCIDENTS; *ENVIRONMENT; *INDUSTRIAL SOURCES; *MILITARY SOURCES; *NATURAL SOURCES; *PUBLIC HEALTH; *RADIOACTIVITY; *RADIATION PROTECTION; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 444P. $55.00
ABSTRACT: THIS PUBLICATION HAS BEEN UPDATED TO MAKE IT A CURRENT COMPREHENSIVE REFERENCE. SECTIONS ARE INCLUDED ON: (1) RADIATION PROTECTION STANDARDS; (2) NATURAL RADIOACTIVITY; (3) RADIOACTIVE WASTE MANAGEMENT; (4) RADIATION EXPOSURE AND RISK; AND (5) SOURCES OF EXPOSURE.

AVAILABILITY: ACADEMIC PRESS, HARCOURT BRACE JOVANOVICH, PUBLISHERS, ATTN: MARKETING DEPT., ORLANDO, FL 32887-0510

IRIS ACCESSION NUMBER: EW014726

PUBLICATION DATE: 87

TITLE: PLANNING FOR GROUNDWATER PROTECTION.

PERSONAL AUTHOR: PAGE, G. WILLIAM

DESCRIPTOR: *CASE STUDIES; *GROUNDWATER; *GROUNDWATER PROTECTION; *PLANNING; *WATER TREATMENT; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 381P. $45.00

ABSTRACT: TOXIC SUBSTANCE CONTAMINATION OF GROUNDWATER IS ONE OF THE MOST IMPORTANT ENVIRONMENTAL PROBLEMS IN INDUSTRIALLY DEVELOPED NATIONS TODAY. THIS BOOK ATTEMPTS TO PROVIDE THE READER WITH AN UNDERSTANDING OF CONTAMINATION PROCESSES AND GROUNDWATER SYSTEMS AS WELL AS THE OPTIONS AVAILABLE IN PLANNING TO PROTECT AND RESPOND TO GROUNDWATER CONTAMINATION. THE BOOK IS ALSO DESIGNED TO ASSIST WITH THE INITIAL DEVELOPMENT OF A PLAN AND WITH THE ONGOING MANAGEMENT OF A PROGRAM FOR GROUNDWATER PROTECTION. EMPHASIS IS PLACED ON THE NEED FOR POLITICAL AS WELL AS TECHNICAL SOLUTIONS TO THE PROBLEMS OF GROUNDWATER CONTAMINATION. INCLUDED ARE: (1) UP-TO-DATE TECHNICAL INFORMATION FROM LEADERS IN THEIR DISCIPLINES; (2) DESCRIPTIONS OF THE MOST INNOVATIVE AND EFFECTIVE GROUNDWATER PLANNING PROGRAMS IN THE UNITED STATES; (3) SPECIFIC GUIDELINES AND TOOLS TO DEVELOP AND IMPLEMENT PROGRAMS IN LOCAL MUNICIPALITIES; AND (4) DETAILED CASE STUDIES FROM THROUGHOUT THE UNITED STATES.

AVAILABILITY: ACADEMIC PRESS, HARCOURT BRACE JOVANOVICH, PUBLISHERS, ORLANDO, FLORIDA 32887-0510

IRIS ACCESSION NUMBER: EW014727

PUBLICATION DATE: 87

TITLE: PUBLIC LAW 100-4-FEB 4, 1987.

DESCRIPTOR: *AMENDMENTS; *CONSTRUCTION GRANTS; *ENFORCEMENT; *LICENSES; *STANDARDS; *PUBLIC LAW 100-4; *PERMITS; *WATER POLLUTION CONTROL ACT; *WATER QUALITY; *WATER QUALITY ACT OF 1987; *WASTEWATER TREATMENT; *WASTE DISPOSAL; *REGULATIONS

DESCRIPTIVE NOT: 84P.

ABSTRACT: THIS PUBLICATION AMENDS THE FEDERAL WATER POLLUTION CONTROL ACT TO PROVIDE FOR THE RENEWAL OF THE QUALITY OF THE NATION'S WATER, AND FOR OTHER PURPOSES. SECTIONS ARE INCLUDED ON: (1) AMENDMENTS TO TITLE I; (2) CONSTRUCTION GRANTS AMENDMENTS; (3) STANDARDS AND ENFORCEMENTS; (4) PERMITS AND LICENSES; AND (5) MISCELLANEOUS PROVISIONS.

AVAILABILITY: U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20460

IRIS ACCESSION NUMBER: EW014728

TITLE: STATEMENT OF POLICY AND PRACTICES FOR THE CONSERVATION OF WETLANDS.

DESCRIPTOR: *CONSERVATION; *NATURAL RESOURCES; *POLICIES; *POLICY STATEMENTS; *HABITATS; *WATER RESOURCES; *WETLANDS

DESCRIPTIVE NOTE: 12P.

ABSTRACT: THIS DOCUMENT IS A STATEMENT RELATED TO WETLANDS BY THE CORPORATE CONSERVATION COUNCIL OF THE NATIONAL WILDLIFE FEDERATION. SECTIONS ARE INCLUDED ON AN INTRODUCTION TO WETLANDS, THE NEED FOR WETLAND CONSERVATION, A STATEMENT OF POLICY AND PRACTICES, AND ENDORSEMENT.

AVAILABILITY: NATIONAL WILDLIFE FEDERATION, 1412 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014729

TITLE: ALTERNATIVE SEWER SYSTEMS.

DESCRIPTOR: *ALTERNATIVE SYSTEMS; *CASE HISTORIES; *MANAGEMENT; *MAINTENANCE; *GRAVITY; *SEWER SYSTEMS; *WASTEWATER COLLECTION; *STEP; *VACUUM SYSTEMS

DESCRIPTIVE NOTE: 105P. $16.00 MEMBER, $19.00 NON-MEMBER. ORDER #MFD1266

ABSTRACT: THIS MANUAL COVERS STATE-OF-THE-ART DESIGN AND CONSTRUCTION OF ALTERNATIVE SYSTEMS SUCH AS GRAVITY, STEP AND VACUUM SYSTEMS. ALSO COVERED ARE MANAGEMENT OPTIONS AND MAINTENANCE TECHNIQUES FOR THESE SYSTEMS. CASE HISTORIES ARE USED THROUGHOUT THE TEXT TO ILLUSTRATE HOW DIFFERENT MUNICIPALITIES HAVE MET THE MANY CHALLENGES AND OPPORTUNITIES THESE SYSTEMS PRESENT.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014730

PUBLICATION DATE: 87

TITLE: REGIONAL INFILTRATION/INFLOW STUDY SOLVES WET WEATHER.

PERSONAL AUTHOR: BISHOP, W.J.; AND OTHERS

DESCRIPTOR: *CALIFORNIA; *INFILTRATION; *INFLOW; *SEWERS; *STORM SEWERS; *STORMWATER; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 289P.

ABSTRACT: THIS STUDY ANALYZED A SANITARY SEWER SYSTEM IN CALIFORNIA AND DEVELOPED A LOW COST SOLUTION TO EXCESSIVE FLOW PROBLEMS. THE STUDY DISCOVERED THAT ONLY 10% OF PEAK WET WEATHER FLOW WAS INFLOW AND 90% WAS RAINFALL DERIVED INFILTRATION. LATERAL SEWERS WERE A MAJOR CAUSE OF THE PROBLEM AND CARRIED OVER 60% OF PEAK FLOWS. THE RECOMMENDED 20-YEAR COMMUNITY CORRECTION PROGRAM WILL: REHABILITATE 47% OF THE COLLECTION SYSTEM; CONSTRUCT 134 KM OF RELIEF SEWERS; AND REHABILITATE ALL DEFECTIVE LATERALS WITHIN THE SUBAREAS DESIGNATED FOR REHABILITATION.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014731

PUBLICATION DATE: 86

TITLE: ANAEROBIC DIGESTION PROCESSES IN INDUSTRIAL WASTEWATER TREATMENT.

PERSONAL AUTHOR: STRONACH, S.M.; AND OTHERS

DESCRIPTOR: *ANAEROBIC DIGESTION; *BIOREACTORS; *BIOCHEMISTRY; *INDUSTRY; *MICROBIOLOGY; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 184P. $72.50

ABSTRACT: THE MAJOR ANAEROBIC BIOREACTOR SYSTEMS AND THEIR APPLICATIONS AND LIMITATIONS ARE EXAMINED IN THIS VOLUME, TOGETHER WITH MICROBIOLOGICAL AND BIOCHEMICAL ASPECTS OF ANAEROBIC WASTEWATER TREATMENT PROCESSES. TOPICS INCLUDE FORMS OF BIOMASS, THE ORIGIN AND NATURE OF DIGESTER BACTERIA, AND THE RESPONSE OF DIGESTER SYSTEMS TO COMPLEX ORGANICS.

AVAILABILITY: SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW YORK, NY 10010

IRIS ACCESSION NUMBER: EW014732

PUBLICATION DATE: 87

TITLE: BIOLOGICAL PROCESSES AND WASTES IN THE OCEAN.

PERSONAL AUTHOR: CAPUZZO, JUDITH; KESTER, DANA R.

DESCRIPTOR: *BIOLOGY; *BIOLOGICAL PROCESSES; *CONTAMINATION; *MANAGEMENT; *OCEANOGRAPHY; *MARINE POLLUTION; *TOXICOLOGY; *WASTE DISPOSAL; *WATER QUALITY; *WATER POLLUTION

DESCRIPTIVE NOTE: $43.50
ABSTRACT: THIS VOLUME IS CONCERNED WITH THE BIOLOGICAL ASPECTS OF WASTE DISPOSAL AND IS DIRECTED, IN PARTICULAR, TOWARD BIOACCUMULATION AND TOXICOLOGICAL EFFECTS OF CONTAMINANTS IN MARINE ORGANISMS. THIS IS THE FIRST OF SIX VOLUMES THAT DEAL WITH FUNDAMENTAL OCEAN PROCESSES, MARINE POLLUTION, AND MARINE WASTE MANAGEMENT.

AVAILABILITY: KRIEGER PUBLISHING CO., INC., P.O. BOX 9542,
MELBOURNE, FL 32902-9542

IRIS ACCESSION NUMBER: EW014733

PUBLICATION DATE: MA/JU 87

TITLE: ENGINEERING ASPECTS OF OZONATION.

PERSONAL AUTHOR: ROBSON, MICHAEL

DESCRIPTOR: *ENGINEERING; *DESIGN; *DRINKING WATER; *DISINFECTION; *FACILITIES; *EQUIPMENT; *MAINTENANCE; *OZONE; *OPERATIONS (WATER); *WATER TREATMENT

DESCRIPTIVE NOTE: 18-24P.

ABSTRACT: THIS ARTICLE ADDRESSES THE DETAILS THAT SHOULD BE CONSIDERED BY THE ENGINEER IN DESIGNING AN OPERABLE OZONE INSTALLATION FOR TREATING DRINKING WATER. THE SUGGESTIONS ARE TO PRODUCE A FACILITY WITH A MINIMUM OF UNANTICIPATED OPERATIONAL AND MAINTENANCE PROBLEMS.
AVAILABILITY: WATERWORLD NEWS; V3 N3

IRIS ACCESSION NUMBER: EW014734

PUBLICATION DATE: MA/JU 87

TITLE: UV/OZONE PROCESS TREATS TOXICS.

PERSONAL AUTHOR: FLETCHER, DAVID B.

DESCRIPTOR: *GROUNDWATER; *ORGANIC COMPOUNDS; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER); *OZONE; *TOXIC SUBSTANCES; *ULTROX PROCESS; *WATER TREATMENT; *WASTEWATER TREATMENT; *TECHNOLOGY; *ULTRAVIOLET LIGHT

DESCRIPTIVE NOTE: 25-27P.

ABSTRACT: THIS ARTICLE DESCRIBES THE ULTROX PROCESS AND SURVEYS SELECTED APPLICATIONS IN DRINKING WATER, GROUNDWATER, AND WASTEWATER TREATMENT. THE PROCESS COMBINES OZONE (OR HYDROGEN PEROXIDE) WITH ULTRAVIOLET LIGHT TO DESTROY ORGANICS.

AVAILABILITY: WATERWORLD NEWS; V3 N3

IRIS ACCESSION NUMBER: EW014735
PUBLICATION DATE: 87

TITLE: HAZARDOUS CHEMICALS DESK REFERENCE.

PERSONAL AUTHOP: SAX, N. IRVING; LEWIS, RICHARD J., SR.

DESCRIPTOR: *CHEMICALS; *GUIDES; *HAZARDOUS MATERIALS; *EXPOSURE LIMITS; *MATERIALS HANDLING; *OCCUPATIONAL SAFETY; *SAFETY; *REFEPENCES; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 1000 (APPROX)P. $80.00

ABSTRACT: THIS DESK-TOP REFERENCE PROVIDES INFORMATION ON NEARLY 4,500 OF THE MOST HAZARDOUS CHEMICALS AND COMPOUNDS USED IN INDUSTRY, MANUFACTURING, LABORATORIES, AND THE WORKPLACE. THE GUIDE ALERTS READERS TO THE SHORT-TERM AS WELL AS THE CHRONIC HAZARDS CAUSED BY THE IMPROPER HANDLING OF, AND EXPOSURE TO, DANGEROUS CHEMICALS. EACH ENTRY FEATURES A TOXIC AND HAZARD REVIEW PARAGRAPH INDICATING SUCH HAZARDS AS POISONS, IRRITANTS, CORROSIVES, EXPLOSIVES, AND CARCINOGENS. FOR EACH CHEMICAL THERE ARE: A 1 TO 3 HAZARD RATING; CAS, NIOSH, AND DOT NUMBERS; COMPLETE DESCRIPTIONS OF PHYSICAL PROPERTIES; SYNONYMS; AND CURRENT STANDARDS FOR EXPOSURE LIMITS. IN ADDITION, FIVE MAJOR CHAPTERS ARE INCLUDED EXPRESSLY TO HELP PEOPLE CHARGED WITH MANAGING THE SAFETY OF EMPLOYEES IN COMPANIES USING CHEMICALS.

AVAILABILITY: CHEMICAL PUBLISHING CO., INC., 80 EIGHTH AVE., DEPT. 677, NEW YORK, NY 10011

IRIS ACCESSION NUMBER: EW014736

PUBLICATION DATE: 87

TITLE: HANDBOOK OF INDUSTRIAL TOXICOLOGY. THIRD EDITION.

PERSONAL AUTHOR: PLUNKETT, E.R.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *BIBLIOGRAPHIES; *CHEMICALS; *HANDBOOKS; *INDUSTRY; *PUBLIC HEALTH; *TOXIC SUBSTANCES; *TOXICOLOGY

DESCRIPTIVE NOTE: 605P. $65.00

ABSTRACT: THIS IS THE THIRD EDITION OF THIS HANDBOOK. THE ENTIRE TEXT HAS BEEN UPDATED AND THE OUTLINE FORM HAS BEEN RETAINED FROM PREVIOUS EDITIONS. ENTRIES ARE LISTED BY THEIR MOST FAMILIAR NAMES. A VARIETY OF INFORMATION IS PROVIDED INCLUDIND THRESHOLD LIMIT VALUES, TESTS, TREATMENT, AND PRECAUTIONS TO BE OBSERVED. THE APPENDIX CONTAINS AN EXTENSIVE BIBLIOGRAPHY.

AVAILABILITY: CHEMICAL PUBLISHING CO., INC., 80 EIGHTH AVE., DEPT. 677, NEW YORK, NY 10011

IRIS ACCESSION NUMBER: EW014738
PUBLICATION DATE: 86

TITLE: AVOIDING FAILURE OF LEACHATE COLLECTION AND CAP DRAINAGE SYSTEMS. POLLUTION TECHNOLOGY REVIEW NO. 138.

PERSONAL AUTHOR: BASS, JEFFREY

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *DESIGN; *DRAINAGE SYSTEMS; *CONSTRUCTION; *INSPECTION; *LEACHATE COLLECTION; *MAINTENANCE; *REPAIR; *ON-SITE WASTEWATER TREATMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 129P. $36.00

ABSTRACT: THIS BOOK SUMMARIZES CURRENT KNOWLEDGE AND EXPERIENCE REGARDING POTENTIAL FAILURE MECHANISMS AND PRESENTS INFORMATION ON FACTORS TO CONSIDER IN DESIGN, CONSTRUCTION, INSPECTION, MAINTENANCE AND REPAIR OF LEACHATE COLLECTION AND CAP DRAINAGE SYSTEMS. IT WAS WRITTEN TO PROVIDE GENERAL GUIDANCE TO DESIGN ENGINEERS, FACILITY OPERATORS, AND OTHERS INVOLVED IN REGULATION WASTE FACILITIES.

AVAILABILITY: NOYES DATA CORPORATION, MILL ROAD AT GRAND AVENUE, PARK RIDGE, NJ 07656

IRIS ACCESSION NUMBER: EW014739

PUBLICATION DATE: 86

TITLE: CONTAMINATED SURFACE IN-PLACE TREATMENT TECHNIQUES. POLLUTION TECHNOLOGY REVIEW NO. 132.

PERSONAL AUTHOR: SIMS, RONALD; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *CHEMICALS; *INPLACE TREATMENT; MONITORING; *SOILS; *TECHNOLOGY; *TREATMENT TECHNIQUES; *WASTE SYSTEMS; *HAZARDOUS MATERIALS

DESCRIPTIVE NOTE: 536P. $62.00

ABSTRACT: PART I OF THE BOOK DISCUSSES THE SELECTION OF APPROPRIATE IN-PLACE TREATMENT TECHNOLOGY FOR A PARTICULAR SITE AND PROVIDES SPECIFIC INFORMATION ON EACH TECHNOLOGY. DATA PROVIDED INCLUDE DESCRIPTIONS, WASTES AMENABLE TO TREATMENT, STATUS OF TECHNOLOGY, EASE OF APPLICATION, POTENTIALLY ACHIEVABLE LEVEL OF TREATMENT, RELIABILITY OF METHOD, SECONDARY IMPACTS, EQUIPMENT AND EXOGENOUS REAGENTS, INFORMATION REQUIREMENTS, AND SOURCES OF INFORMATION. SELECTION OF ANY SPECIFIC TECHNOLOGY WOULD INVOLVE ASSESSMENT OF WASTES, SOIL, AND SITE-SPECIFIC VARIABLES. PART II PROVIDES MONITORING INFORMATION AND DATA ON THE BEHAVIOR AND FATE OF HAZARDOUS CONSTITUENTS IN SOIL SYSTEMS. THIS ADDITIONAL INFORMATION PROVIDES BACKGROUND MATERIAL FOR THOSE WHO MUST MAKE COMPLEX DECISIONS CONCERNING SITE, SOIL AND WASTE INTERACTIONS.

AVAILABILITY: NOYES DATA CORPORATION, MILL ROAD AT GRAND AVE., PARK RIDGE, NJ 07656

IRIS ACCESSION NUMBER: EW014743
PUBLICATION DATE: 87

TITLE: ENVIRONMENTAL PROTECTION IN THE UNITED STATES. INDUSTRY--AGENCIES--ENVIRONMENTALISTS.

PERSONAL AUTHOR: PETULLA, JOSEPH M.

DESCRIPTOR: *ATTITUDES; *POLICIES; *INDUSTRY; *ENVIRONMENT; *ENVIRONMENTAL PROTECTION; *GOVERNMENTAL ROLE; *HISTORY; *ORGANIZATIONS; *POLICIES; *REGULATIONS; *TRENDS; *POLLUTION CONTROL; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 206P. CLOTHBOUND--$22.50, PAPER--$14.50

ABSTRACT: THIS PUBLICATION PRESENTS: (1) AN OVERVIEW OF ENVIRONMENTAL PROTECTION IN THE U.S., INCLUDING HISTORY AND POLICIES; (2) ACTIVITIES AND PERSPECTIVES OF VARIOUS GROUPS, INCLUDING INDUSTRY, AGENCIES, AND ENVIRONMENTAL ORGANIZATIONS; (3) BASIC PROBLEMS, INCLUDING PROFESSIONAL STANDARDS, ETHICAL RESPONSIBILITIES, AND THE FEDERAL ROLE; AND (4) A BRIEF SECTION ON SOME POSSIBLE SOLUTIONS.

AVAILABILITY: SAN FRANCISCO STUDY CENTER, 1095 MARKET STREET, #602, SAN FRANCISCO, CA 94103

IRIS ACCESSION NUMBER: EW014744

PUBLICATION DATE: JUNE 87

TITLE: PESTICIDES.

PERSONAL AUTHOR: SHERMA, JOSEPH

DESCRIPTOR: ANALYTICAL TECHNIQUES; *CHEMICALS; *LITERATURE REVIEWS; *PESTICIDES; *RESIDUE ANALYSIS

DESCRIPTIVE NOTE: 18R-31RP.

ABSTRACT: THIS REVIEW COVERS THE LITERATURE ON PESTICIDE ANALYSIS PUBLISHED OR ABSTRACTED IN THE PERIOD BETWEEN DECEMBER 15, 1984 AND DECEMBER 15, 1986. THE REVIEW IS DEVOTED MAINLY TO METHODS FOR THE DETERMINATION OF RESIDUES OF PESTICIDES AND RELATED COMPOUNDS IN A VARIETY OF SAMPLES.

AVAILABILITY: ANALYTICAL CHEMISTRY; V59 N12

IRIS ACCESSION NUMBER: EW014745

PUBLICATION DATE: JUNE 87

TITLE: WATER ANALYSIS.

PERSONAL AUTHOR: MACCARTHY, PATRICK; KLUSMAN, RONALD W.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; ANIONS; GASES; *INORGANIC CHEMICALS; *LABORATORY PROCEDURES; *LITERATURE REVIEWS; *ORGANIC CHEMICALS; METALS

DESCRIPTIVE NOTE: 308R-337RP.
ABSTRACT: THIS IS THE 22ND BIENNIAL REVIEW DEALING WITH THE INORGANIC AND ORGANIC ANALYTICAL CHEMISTRY OF WATER. MATERIALS ARE REVIEWED FOR THE PERIOD OF SEPTEMBER, 1984 THROUGH OCTOBER, 1986.

AVAILABILITY: ANALYTICAL CHEMISTRY: V59 N12

IRIS ACCESSION NUMBER: EW014746

PUBLICATION DATE: MAY 87

TITLE: ENVIRONMENTAL AUDITS: PROPOSED TERMINOLOGY.

PERSONAL AUTHOR: TOMLINSON, PAUL; ATKINSON, SAMUEL F.

DESCRIPTOR: *AUDITS; *DEFINITIONS; *ENVIRONMENTAL AUDITS; IMPLEMENTATION AUDITS; PERFORMANCE AUDITS; IMPACT AUDITS; PROCEDURAL AUDITS; *TERMINOLOGY

DESCRIPTIVE NOTE: 187-198P.

ABSTRACT: THIS PAPER PRESENTS A REVIEW OF THE SUBJECT OF ENVIRONMENTAL AUDITING AND A PROPOSED SERIES OF DEFINITIONS.

AVAILABILITY: ENVIRONMENTAL MONITORING AND ASSESSMENT; V8 N3

IRIS ACCESSION NUMBER: EW014747

PUBLICATION DATE: MAY 87

TITLE: THE PRECISION AND ACCURACY OF U.S. ENVIRONMENTAL IMPACT STATEMENTS.

PERSONAL AUTHOR: CULHANE, PAUL J.

DESCRIPTOR: *AUDITS; *FORECASTS; *IMPACT STATEMENTS; *ENVIRONMENTAL IMPACT STATEMENTS; *PERFORMANCE EVALUATION; *ENVIRONMENT

DESCRIPTIVE NOTE: 217-238P.

ABSTRACT: A POST-PROJECT AUDIT WAS CONDUCTED OF 239 IMPACTS FORECAST IN A REPRESENTATIVE CROSS-SECTION OF 29 U.S. ENVIRONMENTAL IMPACT STATEMENTS. ONLY 30% OF THE IMPACTS WERE UNQUALIFIEDLY CLOSE TO THEIR FORECASTS; ABOUT A SIMILAR NUMBER WERE RATED ACCURATE DUE TO THE VAGUENESS OF THE FORECAST.

AVAILABILITY: ENVIRONMENTAL MONITORING AND ASSESSMENT; V8 N3

IRIS ACCESSION NUMBER: EW014748
PUBLICATION DATE: MAY 87

TITLE: ENVIRONMENTAL AUDITS: A LITERATURE REVIEW.

PERSONAL AUTHOR: TOMLINSON, PAUL; ATKINSON, SAMUEL F.

DESCRIPTOR: *ENVIRONMENT; *ENVIRONMENTAL AUDITS; IMPACT ASSESSMENT; *LITERATURE REVIEWS; *ENVIRONMENTAL IMPACT STATEMENTS; *PREDICTIVE TECHNIQUE AUDITS; POLLUTION; WATER QUALITY

DESCRIPTIVE NOTE: 239-261P.

ABSTRACT: THIS PAPER PRESENTS A LITERATURE REVIEW FOCUSED ON PREDICTIVE TECHNIQUE AUDITS, ONE OF THE TYPES OF AUDITS CONSIDERED TO HAVE THE GREATEST POTENTIAL ROLE IN IMPROVING ENVIRONMENTAL IMPACT ASSESSMENT PRACTICES. THE LITERATURE REVIEW IS LIMITED TO U.S. LITERATURE WITH THE EXCEPTION OF A FEW UK AUDITS.

AVAILABILITY: ENVIRONMENTAL MONITORING AND ASSESSMENT; V8 N3

IRIS ACCESSION NUMBER: EW014750

PUBLICATION DATE: MARCH 87

TITLE: PRICING OF WATER SERVICES.

DESCRIPTOR: *COSTS; *POLICIES; *RATES; *WATER RATES; *WATER TREATMENT; *WATER SUPPLY; *WATER SERVICES

DESCRIPTIVE NOTE: 145P. $17.00

ABSTRACT: REVIEWS EXISTING PRACTICES AND PUTS FORWARD VARIOUS OPTIONS FOR ECONOMICALLY RATIONAL PRICING PRACTICES WHICH WOULD ALSO LEAD TO ENVIRONMENTALLY ACCEPTABLE RESULTS.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 2001 L STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014751

PUBLICATION DATE: 87

TITLE: ... AND NOT A DROP TO DRINK.

PERSONAL AUTHOR: WINDER, ALVIN E.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CITIZEN PARTICIPATION; *CONTAMINATION; *GROUNDWATER; *FILMS; *FILM PRODUCTION; *INSTRUCTIONAL MATERIALS; *NATURAL RESOURCES; *PUBLIC HEALTH; *WATER RESOURCES; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 8P.

ABSTRACT: A FILM WAS PRODUCED TO INDICATE WHAT LOCAL

COMMUNITIES CAN DO TO PROTECT GROUNDWATER FROM TOXIC CONTAMINANTS. THIS DOCUMENT DESCRIBES THE PLANNING AND PRODUCTION STAGES OF THE FILM EMPHASIZING THE COLLABORATIVE EFFORT AND THE STUDENT LEARNING EXPERIENCES INVOLVED IN THE PROJECT. SEVERAL TASKS ACCOMPLISHED IN THE PROJECT ARE DISCUSSED, INCLUDING: (1) OBTAINING A BASIC KNOWLEDGE OF GROUNDWATER PROBLEMS; (2) DETERMINING THE BUDGET; (3) RAISING THE NECESSARY FUNDS; (4) LOCATING THE PERSONNEL WHO COULD MANAGE THE TECHNICAL PRODUCTION WORK; (5) WRITING THE SCRIPT; (6) DEVELOPING GRAPHICS; (7) INTERVIEWING LOCAL OFFICIALS AND RESIDENTS; (8) SHOOTING THE INITIAL FOOTAGE; AND (9) EDITING THE 40 HOURS OF TAPE INTO A HALF HOUR PROGRAM. THE FINAL SECTION OF THE PAPER BRIEFLY OUTLINES THE DISTRIBUTION PHASE OF THE FINISHED PRODUCT.

AVAILABILITY: DIVISION OF PUBLIC HEALTH, UNIVERSITY OF MASSACHUSETTS, 304 ARNOLD HOUSE, AMHERST, MA 01003

IRIS ACCESSION NUMBER: EW014754

PUBLICATION DATE: 86

TITLE: BEST MANAGEMENT PRACTICES FOR CONTROLLING OIL AND GREASE IN URBAN STORMWATER RUNOFF.

PERSONAL AUTHOR: SILVERMAN, GARY S.; AND OTHERS

DESCRIPTOR: *BEST MANAGEMENT PRACTICES; *GREASE; *OIL; *SAN FRANCISCO BAY; *STORMWATER; *SURFACE RUNOFF; *WASTEWATER COLLECTION; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 351-362P.

ABSTRACT: THIS ARTICLE CONSIDERS BEST MANAGEMENT PRACTICES FOR CONTROLLING OIL AND GREASE IN URBAN STORMWATER RUNOFF IN THE SAN FRANCISCO BAY AREA.

AVAILABILITY: ENVIRONMENTAL PROFESSIONAL; V8 N4

IRIS ACCESSION NUMBER: EW014755

PUBLICATION DATE: DEC 85

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES MATERIALS, SUPPLEMENT 24 (1985).

DESCRIPTOR: *AUDIOVISUAL AIDS; CITIZEN PARTICIPATION; ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; INFORMATION DISSEMINATION; *INSTRUCTIONAL MATERIALS; INDEXES; *PESTICIDES; POSTSECONDARY EDUCATION; SLUDGE; TECHNOLOGY; WASTE DISPOSAL; WATER POLLUTION; *WATER RESOURCES; WATER; *WATER QUALITY; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 90P. PRICE: $5.00

ABSTRACT: COMPILED ARE ABSTRACTS AND INDEXES TO SELECTED PRINT AND NON-PRINT MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION, AS WELL AS MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION. SOURCES OF ABSTRACTED/INDEXED MATERIALS INCLUDE ALL LEVELS OF GOVERNMENT, PRIVATE CONCERNS, AND EDUCATIONAL INSTITUTIONS. TITLE, AUTHOR(S), PUBLICATION DATE, CROSS-REFERENCES, DESCRIPTORS, AND AVAILABILITY ARE PROVIDED FOR EACH ENTRY. ALSO INCLUDED ARE PROCEDURES TO ILLUSTRATE HOW INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS TO MEET THE VERY GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. THIS PUBLICATION SUPPLEMENTS AND DOES NOT REPLACE "WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS): A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES" OR IRIS SUPPLEMENTS 1-23.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014756

PUBLICATION DATE: MARCH 86

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES MATERIALS, SUPPLEMENT 25, 1986.

DESCRIPTOR: *AUDIOVISUAL AIDS; CITIZEN PARTICIPATION; ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; INFORMATION DISSEMINATION; *INSTRUCTIONAL MATERIALS; INDEXES; *PESTICIDES; POSTSECONDARY EDUCATION; SLUDGE; TECHNOLOGY; WASTE DISPOSAL; WATER POLLUTION; *WATER RESOURCES; WATER; *WATER QUALITY; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 96P. PRICE: $5.00

ABSTRACT: COMPILED ARE ABSTRACTS AND INDEXES TO SELECTED PRINT AND NON-PRINT MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION, AS WELL AS MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION. SOURCES OF ABSTRACTED/INDEXED MATERIALS INCLUDE ALL LEVELS OF GOVERNMENT, PRIVATE CONCERNS, AND EDUCATIONAL INSTITUTIONS. TITLE, AUTHOR(S), PUBLICATION DATE, CROSS-REFERENCES, DESCRIPTORS, AND AVAILABILITY ARE PROVIDED FOR EACH ENTRY. ALSO INCLUDED ARE PROCEDURES TO ILLUSTRATE HOW INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS TO MEET THE VERY GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. THIS PUBLICATION SUPPLEMENTS AND DOES NOT REPLACE "WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS): A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES" OR IRIS SUPPLEMENTS 1-24.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014757

PUBLICATION DATE: OCT 86

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES MATERIALS, SUPPLEMENT 27, 1986.

DESCRIPTOR: *AUDIOVISUAL AIDS; CITIZEN PARTICIPATION; ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; INFORMATION DISSEMINATION; *INSTRUCTIONAL MATERIALS; INDEXES; *PESTICIDES; POSTSECONDARY EDUCATION; SLUDGE; TECHNOLOGY; WASTE DISPOSAL; WATER POLLUTION; *WATER RESOURCES; WATER; *WATER QUALITY; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 91P. PRICE: $5.00

ABSTRACT: COMPILED ARE ABSTRACTS AND INDEXES TO SELECTED PRINT AND NON-PRINT MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION, AS WELL AS MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION. SOURCES OF ABSTRACTED/INDEXED MATERIALS INCLUDE ALL LEVELS OF GOVERNMENT, PRIVATE CONCERNS, AND EDUCATIONAL INSTITUTIONS. TITLE, AUTHOR(S), PUBLICATION DATE, CROSS-REFERENCES, DESCRIPTORS, AND AVAILABILITY ARE PROVIDED FOR EACH ENTRY. ALSO INCLUDED ARE PROCEDURES TO ILLUSTRATE HOW INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS TO MEET THE VERY GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. THIS PUBLICATION SUPPLEMENTS AND DOES NOT REPLACE "WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS): A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES" OR IRIS SUPPLEMENTS 1-26.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014758

PUBLICATION DATE: MARCH 87

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES MATERIALS, SUPPLEMENT 29, 1987.

DESCRIPTOR: *AUDIOVISUAL AIDS; CITIZEN PARTICIPATION; ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; INFORMATION DISSEMINATION; *INSTRUCTIONAL MATERIALS; INDEXES; *PESTICIDES; POSTSECONDARY EDUCATION; SLUDGE; TECHNOLOGY; WASTE DISPOSAL; WATER POLLUTION; *WATER RESOURCES; WATER; *WATER QUALITY; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 98P. PRICE: $5.00

ABSTRACT: COMPILED ARE ABSTRACTS AND INDEXES TO SELECTED PRINT AND NONPRINT MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION, AS WELL AS MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION. SOURCES OF ABSTRACTED/INDEXED MATERIALS INCLUDE ALL LEVELS OF GOVERNMENT, PRIVATE CONCERNS, AND EDUCATIONAL INSTITUTES. TITLE, AUTHOR(S), PUBLICATION DATE, CROSS-REFERENCES, DESCRIPTORS, AND AVAILABILITY ARE PROVIDED FOR EACH ENTRY. PROCEDURES ARE OUTLINED BY WHICH INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS TO MEET GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. ALSO INCLUDED ARE AN AUTHOR AND SUBJECT INDEX. THIS PUBLICATION SUPPLEMENTS AND DOES NOT REPLACE "WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS): A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES" OR IRIS SUPPLEMENTS 1-28.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014762

PUBLICATION DATE: DEC 86

TITLE: SLUDGE COMPOSTING MARKETING AND DISTRIBUTION REGULATORY REQUIREMENTS IN THE U.S. APPENDIX I: REGULATIONS AND GUIDELINES.

DESCRIPTOR: *AGRICULTURE; *COMPOSTING; *COMPOST; *GUIDELINES; *MARKETING; *PUBLIC HEALTH; *REGULATIONS; *RISK ASSESSMENT; *SLUDGE; *SLUDGE COMPOSTING; *LAND APPLICATION; *RECOMMENDATIONS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: DISKETTE. CALL FOR PRICE: 614-292-6717

ABSTRACT: THIS IS THE DISKETTE, APPENDIX I OF EW 014 722, CONTAINING THE REGULATIONS AND GUIDELINES FOR LAND APPLICATION AND USE OF SLUDGE IN THE U.S. THIS IS A HIGH DENSITY DISKETTE AND MUST BE USED IN THE HIGH DENSITY DISK DRIVE OF AN IBM PERSONAL COMPUTER AT OR A COMPATIBLE MACHINE. INFORMATION ON THE REGULATIONS AND GUIDELINES FOR 40 STATES PLUS THE DISTRICT OF COLUMBIA AND FEDERAL REGULATIONS IS CONTAINED IN FOUR LOTUS 1-2-3 (RELEASE 1) FILES. THESE MAY BE READ ON A COMPUTER CONTAINING EITHER RELEASE 1 OR RELEASE 2 OF LOTUS 1-2-3.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OHIO 43212

IRIS ACCESSION NUMBER: EW014763

PUBLICATION DATE: FEB 87

TITLE: TECHNICAL RESOURCE DOCUMENT: TREATMENT TECHNOLOGIES FOR DIOXIN-CONTAINING WASTES, PROJECT SUMMARY.

PERSONAL AUTHOR: BRETON, MARC; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *DIOXINS; *HAZARDOUS WASTES; *LAND DISPOSAL; *PERFORMANCE EVALUATION; *PUBLIC HEALTH; *SOLID WASTES; *TECHNOLOGY; *WASTE TREATMENT; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 8P. COMPLETE DOCUMENT: $24.95, ORDER #=PB 87-110 813/AS

ABSTRACT: THIS REPORT IDENTIFIES AND EVALUATES ALTERNATIVE TECHNOLOGIES THAT REMOVE AND/OR DESTROY DIOXIN AND RELATED COMPOUNDS TO ALLOW SAFE DISPOSAL OF TREATED RESIDUES ON LAND.

AVAILABILITY: NTIS, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014764

PUBLICATION DATE: FEB 87

TITLE: TECHNICAL RESOURCE DOCUMENT: TREATMENT TECHNOLOGIES FOR SOLVENT CONTAINING WASTES. PROJECT SUMMARY.

PERSONAL AUTHOR: BRETON, MARC; AND OTHERS

DESCRIPTOR: *HAZARDOUS WASTES; *MANAGEMENT; *PERFORMANCE EVALUATION; *REGULATIONS; *SOLVENTS; *PRETREATMENT; *TECHNOLOGY; *WASTE TREATMENT; *WASTEWATER TREATMENT; *WASTE MINIMIZATION; *PHYSICAL TREATMENT; *CHEMICAL TREATMENT; *BIOLOGICAL TREATMENT; *THERMAL DESTRUCTION

DESCRIPTIVE NOTE: 10P. COMPLETE DOCUMENT: $54.95. ORDER#=PB 87-129 821/AS

ABSTRACT: THIS DOCUMENT COMPILES AVAILABLE INFORMATION ON TECHNOLOGIES FOR SOLVENT CONTAINING WASTES. THE TECHNOLOGIES ARE ANALYZED FOR APPLICABLE WASTE TYPES, POTENTIAL WASTE MANAGEMENT ALTERNATIVES, STAGE OF DEVELOPMENT, PERFORMANCE, AND RESIDUALS GENERATED.

AVAILABILITY: NTIS, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014765

PUBLICATION DATE: FEB 87

TITLE: CHARACTERISTICS OF LAKES IN THE EASTERN UNITED STATES, PROJECT SUMMARY.

DESCRIPTOR: *LAKES; *MONITORING; *PHYSICAL RELATIONSHIPS; *TRENDS; PH; SULFATES; *UNITED STATES (EAST); ALUMINUM; DISSOLVED ORGANIC CARBON

DESCRIPTIVE NOTE: 6P. CONSISTS OF 3 VOLUMES: SET ORDER#=PB 87-110 375/AS,$79; VOL I#=PB 87-110 383/AS,$18.95; VOL II#=PB 87-110 391/AS,$36.95

ABSTRACT: THIS THREE-VOLUME REPORT PRESENTS DATA ON LAKES IN THE EASTERN UNITED STATES. VOLUME I IS TITLED POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. VOLUME II IS TITLED LAKES SAMPLED AND DESCRIPTIVE STATISTICS FOR PHYSICAL AND CHEMICAL VARIABLES. VOLUME III IS TITLED DATA COMPENDIUM OF SITE CHARACTERISTICS AND CHEMICAL VARIABLES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014766

PUBLICATION DATE: JULY 87

TITLE: ACTIVATED SLUDGE MANUAL. UNIT PROCESSES.

PERSONAL AUTHOR: HATTERSLEY, R.; AND OTHERS

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *DESIGN; *MANAGEMENT; *MANUALS; *OPERATIONS (WASTEWATER); *MONITORING; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 140P. MEMBERS--$7.50; NONMEMBERS--$9.50

ABSTRACT: THIS MANUAL PROVIDES A COMPREHENSIVE COMPILATION OF ALL ASPECTS OF THE ACTIVATED SLUDGE PROCESS. SECTIONS ARE INCLUDED ON (1) PROCESS DESIGN CONSIDERATIONS, (2) METHODS OF AERATION, (3) SLUDGE PRODUCTION, SEPARATION AND RECYCLING, (4) NITRIFICATION AND DENITRIFICATION, (5) PROCESS MODIFICATIONS, AND OPERATION AND CONTROL.

AVAILABILITY: IWPC, 53 LONDON ROAD, MAIDSTONE, KENT ME16 8JH

IRIS ACCESSION NUMBER: EW014767

PUBLICATION DATE: JUN 87

TITLE: THE EROSION - PRODUCTIVITY IMPACT CALCULATOR AS FORMULATED FOR THE RESOURCE CONSERVATION ACT APPRAISAL.

PERSONAL AUTHOR: PUTMAN, JOHN W.; DYKE, PAUL T.

DESCRIPTOR: *RESOURCE CONSERVATION ACT; *EROSION; *EROSION-PRODUCTIVITY IMPACT CALCULATOR; *EPIC; *PLANNING; *MANAGEMENT; *MODELS; *SOILS; *PRODUCTIVITY; *NATURAL RESOURCES; *WATER

DESCRIPTIVE NOTE: 42P.

ABSTRACT: THE EROSION-PRODUCTIVITY IMPACT CALCULATOR (EPIC) MODEL MEASURES THE EFFECTS OF EROSION ON SOIL PRODUCTUVITY AND LONG-RANGE RESOURCE CAPACITY. EPIC IS A PRODUCTION FUNCTION MODEL WHICH STIMULATES THE INTERACTION AMONG WEATHER, HYDROLOGY, EROSION, PLANT NUTRIENTS, PLANT GROWTH, SOIL, TILLAGE, AND MANAGEMENT AND PLANT ENVIRONMENTAL CONTROL SUBMODELS. THE REPORT DESCRIBES THE MODEL AND PRESENTS DATA AND INFORMATION TO SUPPORT THE USE OF THE MODEL.

AVAILABILITY: UNITED STATES DEPARTMENT OF AGRICULTURE, 1301 NEW YORK AVENUE, N.W., WASHINGTON, D.C. 20005-4788

IRIS ACCESSION NUMBER: EW014768

PUBLICATION DATE: JAN 87

TITLE: GEOTEXTILES FOR DRAINAGE, GAS VENTING, AND EROSION CONTROL AT HAZARDOUS WASTE SITES, PROJECT SUMMARY.

PERSONAL AUTHOR: HORZ, RAYMOND C.

DESCRIPTOR: *HAZARDOUS WASTES; *ENGINEERING FABRICS; *GEOTEXTILES; *MANAGEMENT; *LAND DISPOSAL; *PERFORMANCE EVALUATION; *WASTE DISPOSAL; *POLLUTION CONTROL; *WASTE SITES

DESCRIPTIVE NOTE: 4P. COMPLETE DOCUMENT: $18.95. ORDER #

= PB 87-129 557/AS

ABSTRACT: THE INFORMATION IN THIS REPORT DRAWS ON THE EXPERIENCES OF THE GEOTECHNICAL FIELD TO PROVIDE GUIDANCE FOR THE USE OF GEOTEXTILES IN LAND WASTE DISPOSAL ACTIVITIES. INCLUDED IS INFORMATION ON TYPES OF GEOTEXTILES, FUNCTIONS, EVALUATION OF PROPERTIES, DESIGN OF FILTERS AND DRAINAGE SYSTEMS, GAS VENTING, AND EROSION CONTROL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014770

PUBLICATION DATE: FEB 87

TITLE: INCINERATOR OPERATING PARAMETERS WHICH CORRELATE WITH PERFORMANCE, PROJECT SUMMARY.

PERSONAL AUTHOR: STALEY, LAUREL J.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *INCINERATION; *INCINERATORS; *PERFORMANCE EVALUATION; *RESEARCH REPORTS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 5P. COMPLETE DOCUMENT: $9.95 ORDER # = PB 87-104 626/AS

ABSTRACT: THIS IS THE PROJECT SUMMARY OF A PROJECT THAT EVALUATED HOW CLOSELY CARBON MONOXIDE (CO) REFLECTED INCINERATOR PERFORMANCE AS MEASURED BY EMISSION LEVELS OF UNBURNED OR INCOMPLETELY BURNED CHEMICAL WASTE.

AVAILABILITY: NTIS, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014771

PUBLICATION DATE: JAN 87

TITLE: PRELIMINARY ASSESSMENT OF AIR EMISSIONS FROM AERATED WASTE TREATMENT SYSTEMS AT TSDFS, PROJECT SUMMARY.

PERSONAL AUTHOR: ALLEN, C.C.; AND OTHERS.

DESCRIPTOR: *AIR EMISSIONS; BIOLOGICAL PROCESSES; *HAZARDOUS WASTES; *MODELS; PHYSICAL PROCESSES; EMISSIONS; *ORGANIC COMPOUNDS; *RESEARCH REPORTS; *VOLATILE ORGANIC COMPOUNDS; *WASTE TREATMENT; *WASTE STORAGE; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 5P. COMPLETE DOCUMENT: $18.95, ORDER # = PB 87-113 783/AS

ABSTRACT: TO FURTHER UNDERSTAND AND BETTER ESTIMATE THE SOURCES AND EXTENT OF VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS FROM HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES, TYPICAL AERATED TREATMENT FACILITIES WERE INVESTIGATED. VARIOUS MATHEMATICAL MODELS ARE PRESENTED TO PREDICT THE MECHANISM AND EXTENT OF VOC EMISSIONS DURING THE DIFFERENT PROCESS CONDITIONS ENCOUNTERED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014772

PUBLICATION DATE: FEB 87

TITLE: RECLAMATION AND REDEVELOPMENT OF CONTAMINATED LAND: VOLUME I. U.S. CASE STUDIES, PROJECT SUMMARY.

PERSONAL AUTHOR: KINGSBURY, G.L.; RAY, R.M.

DESCRIPTOR: *CASE STUDIES; *CLEANUP; *CONTAMINATION; *CONTAMINATED LAND; *LAND USE; *RECLAMATION; *SITE REMEDIATION; *POLLUTION CONTROL; *HAZARDOUS WASTES

DESCRIPTIVE NOTE: 4P. COMPLETE DOCUMENT: $18.95, ORDER # = PB 87-142 121/AS

ABSTRACT: THIS REPORT PRESENTS INFORMATION ON RECLAMATION AND REDEVELOPMENT OF CONTAMINATED LAND IN THE UNITED STATES. CASE STUDIES DESCRIBE LAND USE HISTORY, NATURE OF THE CONTAMINATION, REDEVELOPMENT OBJECTIVES, SITE REMEDIATION, AND CRITERIA FOR CLEANUP.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014773

PUBLICATION DATE: DEC 86

TITLE: TEST PROCEDURE FOR GROSS ALPHA PARTICLE ACTIVITY IN DRINKING WATER: INTERLABORATORY COLLABORATIVE STUDY, PROJECT SUMMARY.

PERSONAL AUTHOR: WHITTAKER, E.L.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ALPHA PARTICLE ACTIVITY; *DRINKING WATER; *RADIONUCLIDES; *LABORATORY PROCEDURES; *TEST PROCEDURES; *WATER QUALITY

DESCRIPTIVE NOTE: 6P. COMPLETE DOCUMENT: $11.95, ORDER # = PB 86-236 957/AS

ABSTRACT: A NEW TEST PROCEDURE FOR MEASURING THE CONCENTRATION OF GROSS ALPHA PARTICLE ACTIVITY IN DRINKING WATER SAMPLES WAS TESTED IN 18 LABORATORIES. IT IS RECOMMENDED THAT THE METHOD BE ACCEPTED AS A VALIDATED METHOD FOR GROSS ALPHA ACTIVITY IN DRINKING WATER. IT IS FURTHER RECOMMENDED THAT THE METHOD BE ACCEPTED AS A VALID METHOD FOR THE ESTIMATION OF RA-226 CONCENTRATIONS IN DRINKING WATER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014774

PUBLICATION DATE: NOV 84

TITLE: GROUNDWATER CONTAMINATION SITES: A CITIZEN'S GUIDE TO FACT-FINDING AND FOLLOW-UP.

PERSONAL AUTHOR: DEAN, LILLIAN; HARRIS, ELIZABETH

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *CLEANUP; *LIABILITY; *LEGAL ACTION; *PUBLIC PARTICIPATION; *FEDERAL ROLE; *PROGRAM DESCRIPTIONS; *PUBLIC HEALTH; *MICHIGAN; *WATER QUALITY; *WATER POLLUTION CONTROL; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 54P. $2.50

ABSTRACT: THE PURPOSE OF THIS BOOKLET IS TO DESCRIBE GOVERNMENT AGENCY PROGRAMS, ROLES FOR CITIZENS, AND LEGAL OPTIONS FOR ADDRESSING GROUNDWATER CONTAMINATION AFTER IT HAS OCCURRED.

AVAILABILITY: EAST MICHIGAN ENVIRONMENTAL ACTION COUNCIL, 21220 WEST FOURTEEN MILE ROAD, BIRMINGHAM, MICHIGAN 48010

IRIS ACCESSION NUMBER: EW014775

PUBLICATION DATE: NOV 84

TITLE: WELL WATER TESTING GUIDE: INFORMATION FOR WELL OWNERS.

PERSONAL AUTHOR: TOMBOULIAN, PAUL

DESCRIPTOR: *CONTAMINATION; *DRINKING WATER; *ANALYTICAL TECHNIQUES; *GROUNDWATER; *MONITORING; *WATER ANALYSIS; *WATER TESTING; *WATER QUALITY; *WATER WELLS

DESCRIPTIVE NOTE: 38P. $2.50

ABSTRACT: THE PURPOSE OF THIS GUIDE IS TO PROVIDE INFORMATION ABOUT THE TESTING AND ANALYSIS OF WATER FROM A PRIVATE WELL. THE MAJOR FOCUS OF THE PUBLICATION IS ON WATER ANALYSIS, INCLUDING THE INTERPRETATION AND EXPLANATION OF WATER TESTING RESULTS.

AVAILABILITY: EAST MICHIGAN ENVIRONMENTAL ACTION COUNCIL, 21220 WEST FOURTEEN MILE ROAD, BIRMINGHAM, MI 48010

IRIS ACCESSION NUMBER: EW014776

PUBLICATION DATE: MARCH 87

TITLE: WATER POLLUTION: APPLICATION OF NATIONAL CLEANUP STANDARDS TO THE PULP AND PAPER INDUSTRY.

DESCRIPTOR: *COMPLIANCE; *CLEAN WATER ACT; *EFFLUENT; *INDUSTRIAL WASTES; *PAPER INDUSTRY; *PULP INDUSTRY; *PERFORMANCE EVALUATION; *PROGRAM EVALUATION; *NATIONAL STANDARDS; *WATER QUALITY

DESCRIPTIVE NOTE: 39P. FIRST 5 COPIES--FREE AS LONG AS SUPPLIES ARE AVAILABLE; ADDITIONAL COPIES--$2.00 EACH

ABSTRACT: THIS REPORT PRESENTS A REVIEW OF THE PULP AND PAPER INDUSTRY TO DETERMINE WHERE (1) DISCHARGE LIMITS ARE AT LEAST AS STRINGENT AS THE APPROPRIATE NATIONAL STANDARDS REQUIRE AND (2) THE AMOUNT OF POLLUTANTS IN SELECTED PULP AND PAPER MILLS' EFFLUENT MEETS THE APPROPRIATE NATIONAL STANDARDS. RESULTS OF THE REVIEW ARE REPORTED.

AVAILABILITY: U.S. GENERAL ACCOUNTING OFFICE, POST OFFICE BOX 6015, GAITHERSBURG, MARYLAND 20877

IRIS ACCESSION NUMBER: EW014777

PUBLICATION DATE: APRIL 87

TITLE: NUCLEAR WASTE: STATUS OF DOE'S IMPLEMENTATION OF THE NUCLEAR WASTE POLICY ACT.

DESCRIPTOR: *DEPARTMENT OF ENERGY; *GAO; *NUCLEAR WASTE POLICY ACT; *NUCLEAR WASTES; *PERFORMANCE EVALUATION; *PROGRAM EVALUATION; *WASTE DISPOSAL; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 122P. FIRST 5 COPIES--FREE; ADDITIONAL COPIES--$2.00 EACH

ABSTRACT: THIS REPORT PRESENTS THE RESULTS OF AN AUDIT OF THE DEPARTMENT OF ENERGY'S (DOE) EFFORTS TO IMPLEMENT THE NUCLEAR WASTE POLICY ACT. THIS AUDIT COVERS THE PERIOD OF OCTOBER, 1984 THROUGH JULY, 1986. SECTIONS ARE INCLUDED ON (1) DOE ACTIVITIES TO IMPLEMENT SELECTED PROVISIONS OF THE NUCLEAR WASTE POLICY ACT; (2) OVERVIEW OF DOE'S EFFORTS TO LOCATE POTENTIALLY ACCEPTABLE SITES FOR THE SECOND NUCLEAR WASTE REPOSITORY; (3) PROBLEMS WITH MEETING NWPA REQUIREMENTS; AND (4) CONCLUSIONS AND AGENCY COMMENTS.

AVAILABILITY: UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, D.C. 20548

IRIS ACCESSION NUMBER: EW014779

PUBLICATION DATE: APRIL 87

TITLE: A REVIEW: PHOSPHORUS-PLANKTON DYNAMICS AND PHOSPHORUS CYCLING IN AQUATIC SYSTEMS.

PERSONAL AUTHOR: TARAPCHAK, STEPHEN J.; NALEWAJKO, CZESIA

DESCRIPTOR: *AQUATIC SYSTEMS; *BIBLIOGRAPHIES; *GREAT LAKES; *PHOSPHORUS; *PHOSPHORUS CYCLING; *PLANKTON; *LITERATURE REVIEWS; *RESEARCH

DESCRIPTIVE NOTE: 57P.

ABSTRACT: THIS REPORT IS A PART OF THE PROCEEDINGS OF THE PHOSPHORUS-PLANKTON DYNAMICS SYMPOSIUM CONVENED MAY, 1984. THIS REPORT IS THE RESULT OF AN EXTENSIVE LITERATURE REVIEW. A LARGE PORTION OF THE DOCUMENT IS AN EXTENSIVE BIBLIOGRAPHY.

AVAILABILITY: NTIS, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014780

PUBLICATION DATE: MARCH 87

TITLE: HOW TO DEAL WITH A PROPOSED FACILITY.

PERSONAL AUTHOR: COLLETTE, WILL

DESCRIPTOR: *CITIZEN ACTION; *HAZARDOUS WASTES; *FACILITIES; *PUBLIC PARTICIPATION; *PLANNING; *PUBLIC HEALTH; *LAND USE; *POLLUTION CONTROL; *GUIDES

DESCRIPTIVE NOTE: 38P. $5.95

ABSTRACT: THIS PUBLICATION IS DESIGNED TO HELP LOCAL LEADERS DEAL WITH THE DEVELOPMENT OF PROPOSED FACILITIES THAT MIGHT HAVE HAZARDOUS WASTES. SUGGESTIONS ARE GIVEN FOR PROCESSES THAT CAN BE USED TO STOP BAD THINGS FROM HAPPENING TO THE COMMUNITY. A MINIMUM OBJECTIVE IS TO WIN CLEAR CONCRETE SAFEGUARDS TO PROTECT LIFE, HEALTH, AND PROPERTY.

AVAILABILITY: CCHW, INC., P.O. BOX 926, ARLINGTON, VA 22216

IRIS ACCESSION NUMBER: EW014781

PUBLICATION DATE: APRIL 86

TITLE: LAND DISPOSAL...THE DINOSAUR OF DISPOSAL METHODS.

PERSONAL AUTHOR: LESTER, STEPHEN U.; SULLIVAN, BARBARA

DESCRIPTOR: BIBLIOGRAPHIES; *HAZARDOUS WASTES; *LAND TREATMENT; *LANDFILLS; *LAND DISPOSAL; *LAND USE; *POLLUTION CONTROL; *SOLID WASTES; *WASTE DISPOSAL; *REGULATIONS; *TRANSPORT

DESCRIPTIVE NOTE: 91P. $8.98

ABSTRACT: THIS PUBLICATION REVIEWS VARIOUS ASPECTS OF LANDFILLS. SECTIONS ARE INCLUDED ON (1) HISTORY; (2) MYTHS; (3) HAZARDOUS WASTE LANDFILLS; (4) SOLID WASTE LANDFILLS; (5) SURFACE IMPOUNDMENTS; (6) LAND TREATMENT; (7) REGULATIONS; (8) TRANSPORT AND STORAGE; AND (9) ALTERNATIVES.

AVAILABILITY: CCHW, INC., P.O. BOX 926, ARLINGTON, VA 22216

IRIS ACCESSION NUMBER: EW014782

PUBLICATION DATE: DEC 86

TITLE: LITERATURE REVIEW OF THE EFFECTS OF PERSISTENT TOXIC SUBSTANCES ON GREAT LAKES BIOTA.

PERSONAL AUTHOR: FITCHKO, J.

DESCRIPTOR: ECOLOGY; *GREAT LAKES; *BIOLOGY; *LITERATURE REVIEWS; *ECOLOGICAL IMPACT; *PUBLIC HEALTH; TEST PROCEDURES; *TOXIC SUBSTANCES; *ENVIRONMENTAL IMPACT; WATER QUALITY; RESEARCH

DESCRIPTIVE NOTE: 265P.

ABSTRACT: THIS IS A LITERATURE REVIEW OF THE EFFECTS OF PERSISTENT TOXIC SUBSTANCES ON GREAT LAKES BIOTA. SECTIONS INCLUDE (1) A SUMMARY OF GREAT LAKES RESEARCH; (2) STUDY BACKGROUND AND APPROACH; (3) STRUCTURAL INDICATIONS OF HEALTH; (4) FUNCTIONAL INDICATIONS OF HEALTH; (5) HUMAN HEALTH CONSIDERATIONS; (6) EVALUATION OF TEST PROCEDURES; AND (7) REFERENCES.

AVAILABILITY: INTERNATIONAL JOINT COMMISSION, GREAT LAKES REGIONAL OFFICE, P.O. BOX 32869, DETROIT, MICHIGAN 48232

IRIS ACCESSION NUMBER: EW014783

PUBLICATION DATE: JUNE 87

TITLE: THE MAGNITUDE AND COSTS OF GROUNDWATER CONTAMINATION FROM AGRICULTURAL CHEMICALS: A NATIONAL PERSPECTIVE.

PERSONAL AUTHOR: NIELSEN, ELIZABETH G.; LEE, LINDA K.

DESCRIPTOR: *AGRICULTURE; *CONTAMINATION; *GROUNDWATER; *COSTS; *MANAGEMENT; *PLANNING; *PUBLIC HEALTH; *RISK ASSESSMENT; *TRENDS; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 59P.

ABSTRACT: THIS STUDY IS A FIRST ATTEMPT AT SYNTHESIZING AND ANALYZING AVAILABLE DATA SOURCES TO INDICATE WHICH AREAS ARE POTENTIALLY AFFECTED. DATA ALLOW AN ANALYSIS OF REGIONAL TRENDS. THE DATA HAVE IMPORTANT IMPLICATIONS FOR POLICYMAKERS AND WATER USERS. SECTIONS IN THE DOCUMENT INCLUDE: (1) AGRICULTURE AND GROUNDWATER QUALITY; (2) POTENTIAL GROUNDWATER CONTAMINATION FROM AGRICULTURAL SOURCES; (3) POTENTIAL EFFECTS AND COSTS OF AGRICULTURALLY CONTAMINATED GROUNDWATER; (4) IMPLICATIONS FOR GROUNDWATER PROTECTION STRATEGIES; (5) CONCLUSIONS; AND (6) REFERENCES.

AVAILABILITY: U.S. DEPARTMENT OF AGRICULTURE, 1301 NEW YORK AVE., N.W., WASHINGTON, D.C. 20005-4788

IRIS ACCESSION NUMBER: EW014784

PUBLICATION DATE: 86

TITLE: GROUNDWATER: A CITIZEN'S GUIDE.

DESCRIPTOR: *CITIZEN ACTION; *CONTAMINATION; *GROUNDWATER; *NATURAL RESOURCES; *PUBLIC PARTICIPATION; *WATER POLLUTION CONTROL; *WATER QUALITY; *GUIDES; *MANAGEMENT

DESCRIPTIVE NOTE: 28P. $1.75--NONMEMBERS, $1.25--MEMBERS

ABSTRACT: THIS PUBLICATION WAS WRITTEN TO PROVIDE A BASIC UNDERSTANDING OF GROUNDWATER AND PROBLEMS RELATED TO GROUNDWATER. A GLOSSARY DEFINES MOST TECHNICAL TERMS AND A CHECKLIST PROVIDES QUESTIONS THAT READERS CAN USE TO LEARN ABOUT GROUNDWATER IN THEIR COMMUNITIES AND SUGGESTS WAYS TO ACTION ON GROUNDWATER ISSUES.

AVAILABILITY: LEAGUE OF WOMEN VOTERS OF THE UNITED STATES, 1730 M STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014785

PUBLICATION DATE: 86

TITLE: CHEMICAL HAZARDS: A GUIDE TO THE NEW FEDERAL HAZARD COMMUNICATION REGULATIONS.

PERSONAL AUTHOR: MCATEER, J. DAVITT; LAWSON, DALE

DESCRIPTOR: *CHEMICALS; *HAZARD COMMUNICATION STANDARD; *HAZARDOUS MATERIALS; *GUIDES; *OCCUPATIONAL HEALTH; *PUBLIC HEALTH; *REGULATIONS; *POLLUTION CONTROL; *TOXIC SUBSTANCES; *RIGHT-TO-KNOW PROGRAMS

DESCRIPTIVE NOTE: 75P.

ABSTRACT: THIS IS A GUIDE TO THE NEW FEDERAL HAZARD COMMUNICATION STANDARD (HCS). EXPLAINED ARE THE MOST IMPORTANT PROVISIONS OF THE HCS; EACH PROVISION IS IDENTIFIED BY NUMBER FOR QUICK, CONVENIENT REFERENCE. INFORMATION IS PROVIDED ON CHEMICALS, TYPES OF CONTROLS TO REDUCE EXPOSURE, AND PROTECTIVE GEAR THAT SHOULD BE WORN.

AVAILABILITY: OCCUPATIONAL SAFETY AND HEALTH LAW CENTER, 1536 16TH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014786

PUBLICATION DATE: 86

TITLE: SOLID WASTE MANAGEMENT IN JAPAN: LESSONS FOR THE U.S.

DESCRIPTOR: FACILITIES; INDUSTRY; *JAPAN; *MANAGEMENT; *SOLID WASTES; RECYCLING; *OPERATIONS (SOLID WASTES); *TECHNOLOGY; *RESOURCE RECOVERY; *WASTE DISPOSAL; TRAINING

DESCRIPTIVE NOTE: $12.95

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON ASPECTS OF JAPAN'S HIGHLY SOPHISTICATED SOLID WASTE MANAGEMENT SUCH AS PLANT TECHNOLOGY, WORKER TRAINING, SITING, RECYCLING, AND THE CONTROL OF DIOXIN.

AVAILABILITY: INFORM, 381 PARK AVENUE SOUTH, NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW014787

PUBLICATION DATE: 86

TITLE: MAKING POLLUTERS PAY: A CITIZEN'S GUIDE TO LEGAL ACTION AND ORGANIZING.

DESCRIPTOR: *COMPLIANCE; LEGISLATION; *GUIDES; *LEGAL ASPECTS; *LAWSUITS; POLLUTION; *POLLUTION CONTROL; *PUBLIC RIGHTS; *TORT LAWSUITS; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 130P. LOOSE LEAF-$15 (INDIVIDUAL); $20.00 (PUBLIC INTEREST GROUPS); $40 (LIBRARIES, LAW FIRMS, PROFESSIONALS); $100 (BUSINESSES)

ABSTRACT: THIS PUBLICATION IS A GUIDE TO SUING POLLUTERS. IT PROVIDES INFORMATION ON MAKING A DECISION TO SUE, EXPLAINS COURT PROCEDURES AND LEGAL POINTS THAT APPLY. GUIDELINES FOR EMPLOYING A LAWYER AND WORKING WITH A LAWYER ARE INCLUDED. THE SECOND PART OF THE MANUAL IS A GUIDE FOR ORGANIZING CITIZEN SUPPORT GROUPS TO STRENGTHEN EFFORTS TO CURTAIL POLLUTERS.

AVAILABILITY: ENVIRONMENTAL ACTION, 1525 NEW HAMPSHIRE AVE., N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014788

PUBLICATION DATE: 87

TITLE: SEWER REHAB--FOURTH EDITION.

DESCRIPTOR: *INSPECTION; *MAINTENANCE; *REHABILITATION; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 72P. $25.00

ABSTRACT: THIS PUBLICATION IS INTENDED TO ASSIST ENGINEERS AND MUNICIPAL OFFICIALS TO PROPERLY SPECIFY SEWER REHABILITATION CONTRACTS AND THEREBY OBTAIN DESIRED LONG-LASTING RESULTS. SPECIFICATIONS FOR REHABILITATION PROCEDURES INCLUDE SEWER LINE CLEANING, SEWER FLOW CONTROL, TELEVISION INSPECTION, SEWER PIPE JOINT TESTING AND CHEMICAL ROOT TREATMENT. THE BOOK ALSO CONTAINS SECTIONS ON DEFINITIONS, RESPONSIBILITIES, MEASUREMENTS FOR PAYMENTS, AND QUALIFIED CONTRACTORS.

AVAILABILITY: NASSCO, 101 WYMORE ROAD, SUITE 501, ALAMONTE, FL 32714

IRIS ACCESSION NUMBER: EW014789

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--CHANGES IN THE REMEDIAL PROCESS: CLEAN-UP STANDARDS AND STATE INVOLVEMENT REQUIREMENTS.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CLEAN-UP; *STATE REGULATIONS; *SUPERFUND; *SUPERFUND AMENDMENTS; *VIDEOCASSETTES; *HAZARDOUS MATERIALS; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 62 MIN VIDEOP. 3/4" VIDEO NO A16441/AL--$190; VHS VIDEO NO A16442/AL--$145; BETA 2 VIDEO NO A16443/AL--$145

ABSTRACT: THE CONFERENCE BEGINS WITH A GENERAL OVERVIEW OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND THE CHALLENGE OF ITS IMPLEMENTATION. THE REMEDY PROCESS--LONG-TERM AND PERMANENT CLEAN-UP--IS ILLUSTRATED STEP-BY-STEP, WITH EMPHASIS ON THE NEW MANDATORY CLEAN-UP SCHEDULES, PRELIMINARY PROCEDURES AND THE HAZARD RANKING SYSTEM/NATIONAL PRIORITY LIST REVISIONS. THE MAJOR ROLE OF STATE AND LOCAL GOVERNMENT INVOLVEMENT AND RESPONSIBILITY IS STRESSED. A QUESTION AND ANSWER SESSION FOLLOWS.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014790

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--CHANGES IN THE REMOVAL PROCESS: REMOVAL AND ADDITIONAL PROGRAM REQUIREMENTS.

DESCRIPTOR: *AUDIOVISUAL AIDS; *REMEDIAL ACTION; *REMOVAL PROCESS; *HAZARDOUS MATERIALS; *POLLUTION CONTROL; *SUPERFUND; *SUPERFUND AMENDMENTS; *VIDEOCASSETTES

DESCRIPTIVE NOTE: 48 MIN VIDEOP. 3/4" VIDEO NO A16444/AL--$140; VHS VIDEO NO A16445/AL--$105; BETA 2 VIDEO NO A16446/AL--$105

ABSTRACT: THE REMOVAL PROCESS IS A SHORT TERM ACTION AND USUALLY AN IMMEDIATE RESPONSE TO ACCIDENTS, FIRES, AND ILLEGALLY DUMPED HAZARDOUS SUBSTANCES. THIS PROGRAM EXPLAINS THE CHARGES THAT EXPAND REMOVAL AUTHORITY AND REQUIRES PROCEDURES CONSISTENT WITH THE GOALS OF REMEDIAL ACTION. ADDITIONAL PROGRAM REQUIREMENTS ARE DISCUSSED THAT ESTABLISH TRAINING PROGRAMS AND TECHNICAL ASSISTANCE GRANTS TO ENSURE ACTIVE COMMUNITY INVOLVEMENT AND UNDERSTANDING. A QUESTION AND ANSWER SESSION CONCLUDES THE PROGRAM.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014791

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--ENFORCEMENT AND FEDERAL FACILITIES.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CLEAN-UP; *ENFORCEMENT; *HAZARDOUS MATERIALS; *SUPERFUND; *SUPERFUND AMENDMENTS; *POLLUTION CONTROL; *VIDEOCASSETTES

DESCRIPTIVE NOTE: 52 MIN VIDEOP. 3/4" VIDEO NO A16447/AL--$155; VHS VIDEO NO A16448/AL--$115; BETA 2 VIDEO NO

A16449/AL--$115

ABSTRACT: WHO IS RESPONSIBLE FOR SARA CLEAN-UP COSTS? PRINCIPLES OF RESPONSIBLE PARTY LIABILITY; THE DIFFERENCE BETWEEN STRICT, JOINT AND SEVERAL LIABILITY; AND THE ISSUE OF THE INNOCENT LANDOWNER ARE DISCUSSED. SUPERFUND ENFORCEMENT TOOLS--MIXED FUNDING, DE MINIMIS SETTLEMENTS AND THE NEW NONBINDING PRELIMINARY ALLOCATIONS OF RESPONSIBILITY (NBAR'S) ARE EXPLAINED. A TELEPHONE QUESTION AND ANSWER SESSION FOLLOWS. THE LAST HALF OF THIS PROGRAM IS A PANEL DISCUSSION ON HOW FEDERAL FACILITIES ARE AFFECTED BY THE NEW SUPERFUND--HIGHLIGHTING HOW THEY WILL GET NO SPECIAL TREATMENT AND ARE SUBJECT TO THE SAME STATE AND LOCAL GOVERNMENT INVOLVEMENT AND ENFORCEMENT PROCEDURES AS GENERAL INDUSTRY.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014792

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--EMERGENCY PREPAREDNESS AND COMMUNITY RIGHT-TO-KNOW.

DESCRIPTOR: *AUDIOVISUAL AIDS; *EMERGENCY PREPAREDNESS; *HAZARDOUS MATERIALS; *RESPONSE PLANS; *POLLUTION CONTROL; *RIGHT-TO-KNOW; *SUPERFUND; *SUPERFUND AMENDMENTS; *TOXIC SUBSTANCES; *VIDEOCASSETTES

DESCRIPTIVE NOTE: 48 MIN VIDEOP. 3/4" VIDEO NO A16450/AL--$140; VHS VIDEO NO A16451/AL--$105; BETA 2 VIDEO NO A16452/AL--$105

ABSTRACT: A MAJOR PART OF SARA IS A FREE-STANDING ACT KNOWN AS TITLE III: THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, REQUIRING FEDERAL, STATE, AND LOCAL GOVERNMENTS TO WORK TOGETHER IN DEVELOPING LOCAL EMERGENCY PREPAREDNESS/RESPONSE PLANS. THIS PROGRAM DISCUSSES LOCAL EMERGENCY PLANNING COMMITTEE REQUIREMENTS, EMERGENCY NOTIFICATION PROCEDURES, AND SPECIFICATIONS ON COMMUNITY RIGHT-TO-KNOW REPORTING REQUIREMENTS, SUCH AS USING OSHA MATERIAL SAFETY DATA SHEETS, THE EMERGENCY & HAZARDOUS CHEMICAL INVENTORY AND THE TOXIC CHEMICAL RELEASE INVENTORY. A TELEPHONE QUESTION AND ANSWER SESSION CONCLUDES THE PROGRAM.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014793

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--UNDERGROUND STORAGE TANK TRUST FUND AND RESPONSE PROGRAM.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CLEAN-UP; *HAZARDOUS MATERIALS; *LEAKS; *POLLUTION CONTROL; *STORAGE TANKS; *SUPERFUND; *SUPERFUND AMENDMENTS; *UNDERGROUND STORAGE TANKS; *VIDEOCASSETTES; *GROUNDWATER

DESCRIPTIVE NOTE: 21 MIN VIDEOP. 3/4" VIDEO NO A16453/AL--$110; VHS VIDEO NO A16454/AL--$85; BETA 2 VIDEO NO A16455/AL--$85

ABSTRACT: ANOTHER ADDITION TO SARA IS THE LEAKING UNDERGROUND STORAGE TANK (LUST) TRUST FUND. ONE HALF OF THE U.S. POPULATION DEPENDS ON GROUND WATER FOR DRINKING--AND EPA ESTIMATES THAT AS MANY AS 200,000 UNDERGROUND STORAGE TANKS ARE CORRODING AND LEAKING INTO OUR GROUND WATER. THIS PROGRAM DISCUSSES HOW THE LUST TRUST FUND WILL BE USED BY EPA AND THE STATES IN RESPONDING QUICKLY TO CONTAIN AND CLEAN-UP LUST RELEASES. ALSO COVERED IS STATE ENFORCEMENT AND ACTION REQUIREMENTS, AND OWNER/OPERATOR RESPONSIBILITY. A TELEPHONE QUESTION AND ANSWER SESSION FOLLOWS.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014794

PUBLICATION DATE: 87

TITLE: THE NEW SUPERFUND--RESEARCH AND DEVELOPMENT/CLOSING REMARKS.

DESCRIPTOR: *AUDIOVISUAL AIDS; *DEVELOPMENT; *HAZARDOUS MATERIALS; *POLLUTION CONTROL; *SUPERFUND; *SUPERFUND AMENDMENTS; *RESEARCH; *VIDEOCASSETTES; *WASTE DISPOSAL; *WASTE HANDLING

DESCRIPTIVE NOTE: 33 MIN VIDEOP. 3/4" VIDEO NO A16456/AL--$125; VHS VIDEO NO A16457/AL--$95; BETA 2 VIDEO NO A16458/AL--$95

ABSTRACT: AN IMPORTANT NEW MANDATE OF THE NEW SUPERFUND IS THE TECHNICAL PROVISIONS FOR RESEARCH AND DEVELOPMENT TO CREATE MORE PERMANENT METHODS IN HANDLING AND DISPOSING HAZARDOUS WASTES AND MANAGING HAZARDOUS SUBSTANCES. THIS FINAL SEGMENT OF THE TELECONFERENCE DISCUSSES THE SITE (SUPERFUND INNOVATIVE TECHNOLOGY EVALUATION) PROGRAM, THE UNIVERSITY HAZARDOUS SUBSTANCE RESEARCH CENTERS, HAZARDOUS SUBSTANCE HEALTH RESEARCH AND THE DOD RESEARCH, DEVELOPMENT AND DEMONSTRATION PROGRAM FOR MANAGEMENT OF DOD WASTES. A TELEPHONE QUESTION AND ANSWER SESSION IS FOLLOWED BY CLOSING REMARKS WRAPPING UP THE FIVE-HOUR CONFERENCE.

AVAILABILITY: NATIONAL AUDIO VISUAL CENTER, CUSTOMER SERVICE SECTION/AL, 8700 EDGEWORTH DRIVE, CAPITOL HEIGHTS, MARYLAND 20743-3701

IRIS ACCESSION NUMBER: EW014796

PUBLICATION DATE: FEB 84

TITLE: ANALYSIS AND ASSESSMENT OF INCINERATED MUNICIPAL SLUDGE ASHES AND LEACHATES.

PERSONAL AUTHOR: THEIS, THOMAS L.; AND OTHERS

DESCRIPTOR: *CHEMICAL PROPERTIES; *SLUDGE ASH; *ANALYSIS; *INCINERATION; *MATERIAL EVALUATION; *PHYSICAL PROPERTIES; *SLUDGE; *WASTE DISPOSAL; *WASTEWATER TREATMENT; *RECYCLING; *RESOURCE USE

DESCRIPTIVE NOTE: 102P. PRICE $7.12

ABSTRACT: RESEARCH WAS CONDUCTED TO ANALYZE THE PHYSICAL AND CHEMICAL PROPERTIES OF ASHES FROM INCINERATED MUNICIPAL SLUDGE AND OF CORRESPONDING DEWATERED SLUDGE. SAMPLES WERE GATHERED FROM 10 WASTEWATER TREATMENT PLANTS. THESE SAMPLES WERE SUBJECTED TO A SERIES OF PHYSICAL, CHEMICAL, AND BIOLOGICAL TESTS, INCLUDING BATCH AND CHEMICAL EXTRACTIONS AND THE AMES SALMONELLA ASSAY. RESULTS SHOWED THAT THE ADDITION OF SUPPLEMENTAL CHEMICALS DURING WASTEWATER OR SLUDGE TREATMENT STRONGLY INFLUENCED THE LEACHATE PROPERTIES AND COMPOSITION OF BOTH DEWATERED SLUDGE AND ASH SAMPLES. INCINERATED SLUDGES DEMONSTRATED WEAK MAGNETIC ACTIVITY IN THE AMES ASSAY. FOUR OF THE 10 ASH SAMPLES GAVE POSITIVE RESULTS, GENERALLY IN THE PRESENCE OF ACTIVATING MAMMALIAN ENZYMES. IN ADDITION, ONE DEWATERED SLUDGE SAMPLE ALSO GAVE POSITIVE RESULTS. BOTH FRAMESHIFT AND BASE-PAIR MUTAGENS WERE IMPLICATED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014797

PUBLICATION DATE: AUG 86

TITLE: BIOLOGICAL TREATMENT OF TOXICS IN WASTEWATER: THE PROBLEMS AND OPPORTUNITIES.

PERSONAL AUTHOR: BISHOP, DOLLOFF F.; JAWORSKI, NORBERT A.

DESCRIPTOR: *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *TECHNOLOGY; *RESEARCH; *TOXIC SUBSTANCES; *TOXIC CONTROLS; *USEPA; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 31P. PRICE: $2.86

ABSTRACT: EPA RESEARCH ON TOXICS CONTROL IN WASTEWATER TREATMENT INVOLVES THREE APPROACHES: (1) SPECIFIC TOXICS TREATABILITY TO DETERMINE THE RESPECTIVE CONTRIBUTION OF THE THREE REMOVAL MECHANISMS IN CONVENTIONAL WASTEWATER TREATMENT; (2) TOXICITY DETECTION AND REDUCTION IN TREATMENT AND PRETREATMENT; AND (3) INNOVATIVE CONCEPTS TO ENHANCE CONTROL OF TOXICS IN BIOLOGICAL TREATMENT. THE GOALS OF THE TREATABILITY RESEARCH IS TO DEVELOP PREDICTIVE PROCEDURES TO ESTIMATE THE FATE OF SPECIFIC TOXICS IN CONVENTIONAL WASTEWATER TREATMENT. PROGRESS IN DEVELOPING THE DATA ON THE REMOVAL MECHANISMS OF PARTITIONING, VOLATILIZATION AND

BIODEGRADATION IS DESCRIBED. TOXICITY REDUCTION EVALUATION (TRE) STUDIES ARE BEING USED TO ISOLATE AND TRACE THE CAUSES OF TOXICITY PASS-THROUGH IN TREATMENT, TO IDENTIFY THE SPECIFIC TOXICS, AND TO EVALUATE TREATMENT AND PRETREATMENT APPROACHES TO REDUCE TOXICITY PASS-THROUGH. INNOVATIVE CONCEPTS TO ENHANCE TOXIC CONTROL INCLUDE CONTROL OF THE TOXIC DISCHARGE RATES INTO TREATMENT; USE OF ADDITIVES SUCH AS CLAYS, BINDING PROTEINS, CARBONS, ENZYMES, ETC.; USE OF ANAEROBIC-AEROBIC TREATMENT COMBINATIONS, USE OF BIOENGINEERED ORGANISMS, AND THE USE OF SPECIAL REACTORS AND OPERATIONAL APPROACHES AT CENTRAL TREATMENT PLANTS TO IMPROVE TOXICS REMOVALS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014798

PUBLICATION DATE: AUG 85

TITLE: CHEMICAL AND MICROBIAL ASPECTS OF SLUDGE COMPOSTING AND LAND APPLICATION.

PERSONAL AUTHOR: SIKORA, L.J.; AND OTHERS

DESCRIPTOR: *CHEMICAL REACTIONS; *COMPOSTING; *MICROBIOLOGY; *LAND APPLICATION; *SLUDGE COMPOSTING; RECYCLING; RESOURCE RECOVERY; SLUDGE; *WASTE DISPOSAL; *RESEARCH REPORTS

DESCRIPTIVE NOTE: 105P. PRICE: $7.30

ABSTRACT: A SERIES OF SIX STUDIES WAS CONDUCTED TO EVALUATE SELECTED MICROBIAL AND CHEMICAL ASPECTS OF COMPOSTING AND SLUDGE SPREADING. AMMONIA (NH3) WAS SHOWN TO BE VIRICIDAL AT PH 7 TO 9. ENZYMATIC ACTIVITY WAS NOT INHIBITED WHEN WELL STABILIZED OR COMPOSTED SLUDGE CONTAINING HIGH CONCENTRATIONS OF METALS AND CHLORINATED HYDROCARBONS WAS ADDED TO SOILS. NITROGEN AND PHOSPHORUS MOVED DOWN THE SOIL PROFILE WHERE PLOTS WERE TREATED WITH 100 MG/HA ONCE OR 20 MG/HA FIVE TIMES. LABORATORY STUDIES OF COMPOSTING SHOWED THAT CONTROLLED AERATION TO MAINTAIN TEMPERATURES BETWEEN 50 AND 55 DEGREES CELSIUS ALLOWED THERMOPHILIC DECOMPOSITION TO REMAIN CONSTANT, PRODUCED MORE DRYING AND CO2 THAN CONSTANT AERATION COMPOSTING. ASPERGILLUS FUMIGATUS AND THERMOPHILIC ACTINOMYCETES, LOW IN NON-AGRICULTURAL SITES, ARE COMMON AROUND COMPOSTING AND CROP RESIDUES.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014799

PUBLICATION DATE: JUNE 87

TITLE: PCB-POLYCHLORINATED BIPHENYL. FOCUS ON HAZARDOUS MATERIALS.

DESCRIPTOR: *CHEMICALS; *FIRE; *HAZARDOUS MATERIALS; *PCB; *CHEMICAL CHARACTERISTICS; *PHYSICAL CHARACTERISTICS; *PUBLIC HEALTH; *SHIPPING

DESCRIPTIVE NOTE: 27-28P.

ABSTRACT: THIS ARTICLE PRESENTS DETAILED INFORMATION ON PCB. INFORMATION IS PROVIDED ON WHAT TO DO REGARDING FIRES, EXPOSURE, WATER POLLUTION, SHIPPING, HEALTH HAZARDS, AND PHYSICAL AND CHEMICAL CHARACTERISTICS.

AVAILABILITY: INDUSTRIAL FIRE WORLD; V2 N3

IRIS ACCESSION NUMBER: EW014800

PUBLICATION DATE: JULY 87

TITLE: HOW TO BUILD A STORYBOARD.

PERSONAL AUTHOR: BOGGIS, CAROL J.; HAMILTON, MICHAEL S.

DESCRIPTOR: *AUDIOVISUAL AIDS; *PLANNING; *PROGRAM DEVELOPMENT; *STORYBOARDS

DESCRIPTIVE NOTE: 50-53P.

ABSTRACT: DESCRIBED ARE PROCEDURES FOR DEVELOPING A STORYBOARD FOR DESIGNING AND SCRIPTING A/V PRODUCTIONS.

AVAILABILITY: TECHNICAL PHOTOGRAPHY; V19 N7

IRIS ACCESSION NUMBER: EW014804

PUBLICATION DATE: NOV 86

TITLE: AGRICULTURAL USE OF SEWAGE SLUDGE--IS THERE A FUTURE?

DESCRIPTOR: *AGRICULTURE; ENVIRONMENT; *PUBLIC HEALTH; LEGISLATION; DISINFECTION; LAND USE; *LAND DISPOSAL; *RESOURCE RECOVERY; RECYCLING; SLUDGE; *SEWAGE SLUDGE; *WASTE DISPOSAL; SLUDGE DISPOSAL

ABSTRACT: THIS PUBLICATION CONTAINS FOUR PAPERS PRESENTED AT A SYMPOSIUM IN 1986. THE SYMPOSIUM REVIEWED CURRENT PRACTICES IN THE LAND DISPOSAL OF SEWAGE SLUDGE AND THE LIKELY EFFECTS UPON THEM OF FUTURE DEVELOPMENTS IN LEGISLATIVE CONTROL.

AVAILABILITY: THE INSTITUTE OF WATER POLLUTION CONTROL, LEDSON HOUSE, 53 LONDON ROAD, MAIDSTONE, KENT 62034

IRIS ACCESSION NUMBER: EW014805

PUBLICATION DATE: 86

TITLE: RAPID GUIDE TO HAZARDOUS CHEMICALS IN THE WORKPLACE.

PERSONAL AUTHOR: SAX, N. IRVING; LEWIS, RICHARD J., JR.

DESCRIPTOR: *CHEMICAL PROPERTIES; *CHEMICALS; *GUIDES; *HAZARDOUS MATERIALS; *HEALTH; *INDUSTRIAL MATERIALS; *OCCUPATIONAL HEALTH; *PHYSICAL PROPERTIES; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 236P. 86054 $24.00

ABSTRACT: THIS GUIDE PROVIDES A QUICK SUMMARY OF THE PROPERTIES AND HARMFUL HEALTH EFFECTS OF NEARLY 700 COMMON INDUSTRIAL MATERIALS. EACH ENTRY LISTS IDENTIFYING INFORMATION, STANDARDS AND RECOMMENDATIONS, TOXIC AND HAZARD REVIEWS INCLUDING ACUTE AND CHRONIC HEALTH EFFECTS AND TARGET ORGANS, AND THE PHYSICAL PROPERTIES OF THE MATERIAL. USE IT TO IDENTIFY UNKNOWN MATERIALS OR SELECT PROPER STORAGE AND HANDLING FACILITIES. APPENDICES CROSS-REFERENCE ENTRIES ALPHABETICALLY AND BY CAS AND DOT NUMBERS.

AVAILABILITY: LAB SAFETY SUPPLY, A DIVISION OF SCIENCE RELATED MATERIALS, INC., P.O. BOX 1368, JANESVILLE, WI 53547-1368

IRIS ACCESSION NUMBER: EW014806

PUBLICATION DATE: SUM 87

TITLE: DESIGN FOR LARGE DIAMETER PVC PRESSURE PIPE.

PERSONAL AUTHOR: BAUER, DENNIS E.

DESCRIPTOR: *DESIGN; *DRINKING WATER; *ENGINEERING; *PIPES; *PVC PIPES; *WATER PIPES; *WATER DISTRIBUTION; *WATER SUPPLY

DESCRIPTIVE NOTE: 8-9P.

ABSTRACT: THIS ARTICLE PRESENTS A DESIGN EXAMPLE FOR LARGE DIAMETER PVC TRANSMISSION PIPE. THE EXAMPLE PROVIDES DATA FOR DESIGNING A SYSTEM FOR DISTRIBUTING WATER.

AVAILABILITY: UNI-BELL PVC PIPE NEWS; V10 N1

IRIS ACCESSION NUMBER: EW014807

PUBLICATION DATE: 87

TITLE: OPERATING THE ACTIVATED SLUDGE PROCESS.

PERSONAL AUTHOR: HARTLY, K.J.

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *INSTRUCTIONAL MATERIALS; *MONITORING; *OPERATIONS (WASTEWATER); *POSTSECONDARY EDUCATION; *TROUBLESHOOTING; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 117P. $17.50

ABSTRACT: THIS BOOK IS DESIGNED TO EXPLAIN THE PRINCIPLES OF OPERATION OF THE ACTIVATED SLUDGE PROCESS AND TO STIMULATE AN INTEREST IN TUNING FOR BETTER PERFORMANCE. EMPHASIS IS ON MUNICIPAL SEWAGE AND OPERATIONS IN WARMER CLIMATES.

AVAILABILITY: RIDGELINE PRESS, 1136 ORCHARD ROAD, LAFAYETTE, CA 94549

IRIS ACCESSION NUMBER: EW014808

PUBLICATION DATE: APRIL 86

TITLE: MANUAL ON THE CAUSES AND CONTROL OF ACTIVATED SLUDGE BULKING AND FOAMING.

PERSONAL AUTHOR: JENKINS, DAVID; AND OTHERS

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *BULKING; *FOAMING; *MANAGEMENT; *OPERATIONS (WASTEWATER); *SOLIDS SEPARATION; *MANUALS; *TROUBLESHOOTING; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 178P. $30.00

ABSTRACT: THIS MANUAL DESCRIBES THE NATURE OF ACTIVATED SLUDGE SOLIDS SEPARATION PROBLEMS, ESPECIALLY ACTIVATED SLUDGE BULKING. CAUSES ARE DISCUSSED, AND RESOLUTION OF PROBLEMS ARE CONSIDERED. THE MANUAL INCLUDES A NUMBER OF CASE HISTORIES.

AVAILABILITY: RIDGELINE PRESS, 1136 ORCHARD ROAD, LAFAYETTE, CA 94549

IRIS ACCESSION NUMBER: EW014809

PUBLICATION DATE: MAR 87

TITLE: EUROPEAN ENVIRONMENTAL YEARBOOK 1987.

DESCRIPTOR: AGRICULTURE; AIR POLLUTION; *ENVIRONMENT; *LEGISLATION; *EUROPE; NOISE; *POLICIES; *POLLUTION; SURVEYS; *YEARBOOKS; WATER POLLUTION; WASTES; *WORLD PROBLEMS; *INTERNATIONAL AGREEMENTS

DESCRIPTIVE NOTE: 800P. PRICE: $45.00

ABSTRACT: THIS VOLUME BRINGS TOGETHER A SUBJECT BY SUBJECT CLASSIFICATION OF ENVIRONMENTAL TOPICS AND A SURVEY OF THE LEGAL AND ADMINISTRATIVE ENVIRONMENTAL STRUCTURES OPERATING IN EUROPEAN ECONOMIC COMMUNITY MEMBER STATES. ALSO INCLUDED ARE ACCOUNTS OF CURRENT POLICIES AND RESEARCH IN THESE FIELDS.

AVAILABILITY: DOCTER INTERNATIONAL U.K., LONDON W8, 27, KENSINGTON COURT

IRIS ACCESSION NUMBER: EW014810

PUBLICATION DATE: 87

TITLE: SOLVING HAZARDOUS WASTE PROBLEMS. LEARNING FROM DIOXINS. ACS SYMPOSIUM SERIES 338.

PERSONAL AUTHOR: EXNER, JURGEN H.

DESCRIPTOR: *CHEMICALS; *CLEANUP; *DIOXINS; *ENVIRONMENT; *HAZARDOUS WASTES; *PUBLIC HEALTH; *RISK ASSESSMENT; *WASTE DISPOSAL SITES; *WASTE DISPOSAL; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 405P. ISBN 0-8412-1025-X; U.S. & CANADA--$79.95; EXPORT--$95.95

ABSTRACT: DISCUSSES RECENT ADVANCES IN THE METHODOLOGY OF CLEANUP OF SITES CONTAMINATED WITH PCDD'S. COVERS THE DETECTION OF CONTAMINANTS IN THE ENVIRONMENT, TOXICOLOGY TO LIVING ORGANISMS, RISK ASSESSMENT THROUGH EXPOSURE ROUTES, AND ELEMENTS IN MANAGEMENT OF RISKS.

AVAILABILITY: AMERICAN CHEMICAL SOCIETY, DISTRIBUTION OFFICE DEPT. 142, 1155 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014811

PUBLICATION DATE: 87

TITLE: RADON AND ITS DECAY PRODUCTS. OCCURRENCE, PROPERTIES, AND HEALTH EFFECTS. ACS SYMPOSIUM SERIES 331.

PERSONAL AUTHOR: HOPKE, PHILIP K.

DESCRIPTOR: *CHEMICALS; *CHEMICAL PROPERTIES; *RADIOACTIVE MATERIALS; *RADON; *PUBLIC HEALTH; *RESEARCH; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 586P. ISBN 0-8412-1015-2; U.S. & CANADA--$89.95; EXPORT--$107.95

ABSTRACT: LOOKS AT CURRENT FINDINGS IN THE FIELD OF RADON-RELATED RESEARCH, WITH A STRONG EMPHASIS ON THE FUNDAMENTAL CHEMICAL QUESTIONS INVOLVED. ASSESSES THE INCIDENCE AND IMPACT OF RADON DECAY AND ITS PRODUCTS. REPORTS ON KEY TOPICS IN THE RECENT RADON DEBATE.

AVAILABILITY: AMERICAN CHEMICAL SOCIETY, DISTRIBUTION OFFICE DEPT. 142, 1155 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014812

PUBLICATION DATE: 87

TITLE: SOURCES AND FATES OF AQUATIC POLLUTANTS. ADVANCES IN CHEMISTRY SERIES 216.

PERSONAL AUTHOR: HITES, RONALD A.; EISENREICH, S.J.

DESCRIPTOR: *CHEMICALS; *CHEMICAL REACTIONS; *ENVIRONMENT; *POLLUTION; *POLLUTANTS; *POLLUTION CONTROL; *WATER POLLUTION; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 876P. ISBN 0-8412-0983-9; U.S. & CANADA--$99.95; EXPORT--$119.95

ABSTRACT: THIS PUBLICATION PRESENTS SIGNIFICANT ADVANCES IN THE PROCESSES CONTROLLING THE TRANSPORT AND FATE OF INORGANIC AND ORGANIC SPECIES. DESCRIBES THE RELATIONSHIPS BETWEEN PHYSICAL MIXING RATES AND CHEMICAL REACTION RATES. FOUR SECTIONS HIGHLIGHT AIR-WATER PROCESSES, WATER COLUMN PROCESSES, WATER-SEDIMENT PROCESSES, AND CASE STUDIES. INTEGRATES INFORMATION ON THESE PROCESSES INTO A SYSTEMWIDE PICTURE OF THE CYCLING OF INORGANIC AND ORGANIC CHEMICALS.

AVAILABILITY: AMERICAN CHEMICAL SOCIETY, DISTRIBUTION OFFICE DEPT. 142, 1155 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014813

PUBLICATION DATE: 87

TITLE: PESTICIDES: MINIMIZING THE RISKS. ACS SYMPOSIUM SERIES 336.

PERSONAL AUTHOR: RAGSDALE, NANCY N.; KUHR, RONALD J.

DESCRIPTOR: *CHEMICALS; *ENVIRONMENT; *REGULATIONS; *PESTICIDES; *PUBLIC HEALTH; *RISKS; *RESEARCH; *TECHNOLOGY; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 186P. ISBN 0-8412-1022-5; U.S. & CANADA--$34.95; EXPORT--$41.95

ABSTRACT: EXAMINES TECHNOLOGICAL DEVELOPMENTS IN AN IMPORTANT AREA OF HUMAN HEALTH AND ENVIRONMENTAL QUALITY. PRESENTS THE LATEST RESEARCH IN TOXICITY TESTING REQUIREMENTS FOR PESTICIDE REGISTRATION, ACUTE AND CHRONIC TOXICITY, SIMULATION MODELING IN TOXICOLOGY, ENVIRONMENTAL MOBILITY PRINCIPLES, AND PESTS AS PART OF THE ECOSYSTEM.

AVAILABILITY: AMERICAN CHEMICAL SOCIETY, DISTRIBUTION OFFICE DEPT. 142, 1155 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036

IRIS ACCESSION NUMBER: EW014815

PUBLICATION DATE: AUG 86

TITLE: BAYBOOK. A GUIDE TO REDUCING WATER POLLUTION AT HOME.

DESCRIPTOR: *CITIZEN ACTION; DRAINAGE; *GUIDES; *RECOMMENDATIONS; SOILS; *WATER CONSERVATION; *WATER QUALITY; *WATER POLLUTION CONTROL; SEPTIC SYSTEMS; LAWNS; GARDENING

DESCRIPTIVE NOTE: 33P.

ABSTRACT: THIS IS A GUIDE TO REDUCING WATER USE AND WATER POLLUTION AT HOME. SECTIONS ARE INCLUDED ON: (1) SOIL; (2) DRAINAGE; (3) SEPTIC SYSTEMS; (4) PAVEMENT; (5) LANDSCAPING; (6) LAWNS; (7) GARDENING; (8) PESTICIDES; (9) HOUSEHOLD CHEMICALS; (10) WATER CONSERVATION; (11) RECREATION; AND (12) COMMUNITY ACTION.

AVAILABILITY: CHESAPEAKE BAY TRUST, 60 WEST STREET SUITE 200A, ANNAPOLIS, MARYLAND 21401

IRIS ACCESSION NUMBER: EW014816

PUBLICATION DATE: 87

TITLE: SPECIAL ISSUE: DRINKING WATER.

PERSONAL AUTHOR: COHEN, JAMES H.; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *ECONOMICS; *DRINKING WATER; *REGULATIONS; *STORAGE TANKS; *UNDERGROUND STORAGE TANKS; *WATER QUALITY; *WATER TREATMENT

DESCRIPTIVE NOTE: 36P. PRICE: $16.00 - SUBSCRIPTION.

ABSTRACT: THIS ISSUE IS DEVOTED TO DRINKING WATER. A VARIETY OF ARTICLES ARE PRESENTED INCLUDING THREE FEATURE ARTICLES ON WATER; THESE ARTICLES ARE CONCERNED WITH GROUNDWATER, UNDERGROUND STORAGE TANKS, AND ECONOMICS OF CLEAN WATER. A DIRECTORY OF RESOURCES AND ORGANIZATIONS CONCERNED WITH WATER QUALITY IS INCLUDED.

AVAILABILITY: ENVIRONMENTAL TASK FORCE, 1012 14TH STREET, N.W. 15TH FLOOR, WASHINGTON, D.C. 20005

IRIS ACCESSION NUMBER: EW014817

PUBLICATION DATE: 86

TITLE: INTERNATIONAL DIRECTORY OF ACID DEPOSITION RESEARCHERS. 1985-86 EDITION.

DESCRIPTOR: *ACID DEPOSITION; *DIRECTORIES; *ACID RAIN; *INTERNATIONAL DIRECTORIES; *RESEARCHERS; *RESEARCH INTERESTS; *ENVIRONMENT; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 185P. PREPAID $10.00--NORTH AMERICA, $16.00--OVERSEAS

ABSTRACT: THIS DIRECTORY IS DESIGNED TO FACILITATE EXCHANGE OF INFORMATION AMONG SCIENTISTS INTERESTED IN THE ACIDIC DEPOSITION PHENOMENON AND ITS EFFECTS. THE DIRECTORY INCLUDES THE ADDRESS OF THE RESEARCHER AND THE DISCIPLINARY COMPETENCIES RELATED TO THEIR ACIDIC DEPOSITION INTERESTS.

AVAILABILITY: THE ACID RAIN FOUNDATION, INC., 1630 BLACKHAWK HILLS, SAINT PAUL, MN 55122

IRIS ACCESSION NUMBER: EW014820

PUBLICATION DATE: 84

TITLE: ASIWPCA COMPREHENSIVE DATA MANAGEMENT.

PERSONAL AUTHOR: SAVAGE, ROBERTA HALEY

DESCRIPTOR: ECONOMICS; *DATA MANAGEMENT; *ENVIRONMENT; *INFORMATION SHARING; *MANAGEMENT; *FEDERAL ROLE; *STATE ROLE; *INFORMATION MANAGEMENT; *REGULATIONS; *USEPA; *DATABASES; *GEORGIA COMPREHENSIVE DATA MANAGEMENT SYSTEM; *RECOMMENDATIONS; TECHNOLOGY; REPORTING; COMPLIANCE; GRANTS; STORET

DESCRIPTIVE NOTE: 20P.

ABSTRACT: THIS REPORT IS THE PRODUCT OF THE ASSOCIATION OF STATE AND INTERSTATE WATER POLLUTION CONTROL ADMINISTRATORS (ASIWPCA) IN COOPERATION WITH THE STATE OF GEORGIA AND THE USEPA. A TWO DAY CONFERENCE WAS HELD IN JULY, 1986 TO DISCUSS THE GEORGIA COMPREHENSIVE DATA MANAGEMENT PROJECT AND SHARING OF INFORMATION BETWEEN STATES.

AVAILABILITY: ASIWPCA, HALL OF THE STATES, 444 NORTH CAPITOL STREET, N.W., SUITE 330, WASHINGTON, D.C. 20001

IRIS ACCESSION NUMBER: EW014821

PUBLICATION DATE: JAN 87

TITLE: AGRICULTURAL IMPACTS ON GROUND WATER.

PERSONAL AUTHOR: FAIRCHILD, D.M.

DESCRIPTOR: *AGRICULTURE; *CHEMICALS; *GROUNDWATER; *ENVIRONMENTAL IMPACT; *MANAGEMENT; *POLICIES; *PESTICIDES; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 685P. PRICE: ASAE MEMBER - $36.00; LIST - $45.00; ORDER # C9404

ABSTRACT: THIS BOOK WAS DEVELOPED FROM A NATIONAL CONFERENCE ON GROUNDWATER QUALITY AND AGRICULTURAL PRACTICES HELD IN NORMAN, OKLAHOMA, IN MAY, 1986. CONTENTS INCLUDE: (1) CONSIDERATIONS IN POLICY, PROTECTION AND MANAGEMENT OF GROUNDWATER RELATED TO AGRICULTURAL PRACTICES AND (2) CHARACTERIZES GROUNDWATER QUALITY IMPACTED BY AGRICULTURAL PRACTICES.

AVAILABILITY: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, 2950 NILES ROAD, ST. JOSEPH, MI 49085-9990

IRIS ACCESSION NUMBER: EW014822

PUBLICATION DATE: JAN 87

TITLE: EFFECTS OF CONSERVATION TILLAGE ON GROUND WATER QUALITY - NITRATES AND PESTICIDES.

PERSONAL AUTHOR: LOGAN, TERRY J.; AND OTHERS.

DESCRIPTOR: *AGRICULTURE; *CONSERVATION TILLAGE; *CONVENTIONAL TILLAGE; *ENVIRONMENTAL IMPACT; *GROUNDWATER; *CONTAMINATION; *NITRATES; MANAGEMENT; *PESTICIDES; *PERFORMANCE EVALUATION; TILLAGE; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 300P. PRICE: ASAE MEMBER - $32.50; LIST - $39.95; ORDER # C9405 / ISBN 0-87371-080-0

ABSTRACT: THIS BOOK ASSESSES THE IMPACT OF CONSERVATION TILLAGE VS. CONVENTIONAL TILLAGE ON CONTAMINATION OF GROUNDWATER BY NITRATES AND PESTICIDES.

AVAILABILITY: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, 2950 NILES ROAD, ST. JOSEPH, MI 49085-9990

IRIS ACCESSION NUMBER: EW014823

PUBLICATION DATE: JAN 87

TITLE: GROUND WATER QUALITY AND AGRICULTURAL PRACTICES.

PERSONAL AUTHOR: FAIRCHILD, D.M.

DESCRIPTOR: *AGRICULTURE; CHEMICALS; *GROUNDWATER; CONTAMINATION; *ENVIRONMENTAL IMPACT; *MANAGEMENT; POLLUTION CONTROL; CONFERENCES; *POLICIES; *WATER QUALITY; *WATER USE; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 400P. PRICE: ASAE MEMBER - $39.95; LIST - $49.95; ORDER # C9406 / ISBN 0-87371-036-3

ABSTRACT: THIS PUBLICATION IS COMPILED FROM INFORMATION PRESENTED AT A CONFERENCE IN OMAHA, NEBRASKA IN AUGUST, 1986. SECTIONS ARE INCLUDED ON (1) GROUNDWATER USAGE, (2) AGRICULTURAL CHEMICAL USAGE, AND (3) GROUNDWATER POLLUTION SOURCES AND EVALUATION.

AVAILABILITY: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, 2950 NILES ROAD, ST. JOSEPH, MI 49085-9990

IRIS ACCESSION NUMBER: EW014825

PUBLICATION DATE: 86

TITLE: REMOVAL OF HAZARDOUS WASTES IN WASTEWATER FACILITIES - HALOGENATED ORGANICS.

DESCRIPTOR: *BIOLOGICAL TREATMENT PROCESSES; *CHEMICALS; *HAZARDOUS WASTES; *HALOGENATED ORGANIC COMPOUNDS; *OPERATIONS (WASTEWATER); *ORGANIC CHEMICALS; *SAFETY; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: PRICE: MEMBER - $27.00; NON-MEMBER - $36.00; ORDER # MFD11DF

ABSTRACT: THIS PUBLICATION PRESENTS INFORMATION ON THE REMOVAL OF TOXIC AND REFRACTORY COMPOUNDS FROM WASTEWATER. INFORMATION INCLUDES LISTS OF PRIORITY TOXICS, SAFETY DATA, AND BIOLOGICAL TREATMENT PROCESSES.

AVAILABILITY: WPCF, 601 WYTHE STREET, ALEXANDRIA, VA 22314-1994

IRIS ACCESSION NUMBER: EW014826

PUBLICATION DATE: JUL 87

TITLE: TELEMETRY STREAMLINES URBAN WATERSHED SYSTEM.

PERSONAL AUTHOR: CURTIS, DAVID C.

DESCRIPTOR: *AUTOMATED SYSTEMS; *CALIFORNIA; *DATA COLLECTION; *COMPUTER APPLICATIONS; *MANAGEMENT; *SURFACE RUNOFF; *TELEMETRY; *FLOODS; *URBAN AREAS; *WATER RESOURCES; *WATERSHEDS; *WATER CONSERVATION

DESCRIPTIVE NOTE: 10-11P.

ABSTRACT: DESCRIBED ARE SEVERAL USES OF TELEMETRY IN CALIFORNIA TO MANAGE URBAN WATERSHED SYSTEMS.

AVAILABILITY: WATERWORLD NEWS; V3 N4

IRIS ACCESSION NUMBER: EW014827

PUBLICATION DATE: JUL 87

TITLE: PORTLAND'S EXPERIENCE WITH TELEMETRY BY SATELLITE.

PERSONAL AUTHOR: DOANE, JAMES L.; KNUDSON, MARK

DESCRIPTOR: *AUTOMATED SYSTEMS; *DATA COLLECTION; *COMPUTER APPLICATIONS; *OREGON; *MANAGEMENT; *MONITORING; *SURFACE RUNOFF; *TELEMETRY; *URBAN AREAS; *WATER RESOURCES; *WATER SUPPLY

DESCRIPTIVE NOTE: 12-15P.

ABSTRACT: DESCRIBED IS THE USE OF TELEMETRY BY THE PORTLAND WATER BUREAU IN PORTLAND, OREGON TO COLLECT WATER FLOW DATA, WATER QUALITY DATA, AND DATA ON SNOW.

AVAILABILITY: WATERWORLD NEWS; V3 N4

IRIS ACCESSION NUMBER: EW014828

PUBLICATION DATE: JUL 87

TITLE: DESIGNING FOR RELIABILITY IN RF TELEMETRY.

PERSONAL AUTHOR: HILL, PAUL W.

DESCRIPTOR: *AUTOMATED SYSTEMS; *COMPUTER APPLICATIONS; *DATA COLLECTION; *MANAGEMENT; *MONITORING; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER); *RADIO COMMUNICATIONS; *RELIABILITY; *TELEMETRY; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 16-17P.

ABSTRACT: DESCRIBED IS THE USE OF RADIO TELEMETRY FOR SENDING DATA FROM TELEMETRY SITES. ALSO DISCUSSED ARE WAYS RADIO COMMUNICATION LINKS CAN HELP TO IMPROVE RELIABILITY.

AVAILABILITY: WATERWORLD NEWS; V3 N4

IRIS ACCESSION NUMBER: EW014831

PUBLICATION DATE: 86

TITLE: TREATMENT AND DISCHARGE OF INDUSTRIAL WASTEWATER IN THE MEDITERRANEAN AREA. REPORT ON A WHO WORKSHOP. ENVIRON. HEALTH SERIES #8.

DESCRIPTOR: *EFFLUENT; *INDUSTRY; *INDUSTRIAL WASTES; *MEDITERRANEAN SEA; *OPERATIONS (WASTEWATER); *LEGISLATION; *WASTEWATER TREATMENT; *RECYCLING; *TRAINING; *NATIONAL STRATEGIES; WASTE DISPOSAL

DESCRIPTIVE NOTE: 97P.

ABSTRACT: THIS IS A REPORT OF A WORKSHOP CONVENED IN 1985 CONCERNED WITH SELECTED ASPECTS OF THE TREATMENT AND DISCHARGE OF INDUSTRIAL WASTEWATERS IN THE MEDITERRANEAN AREA. THE PUBLICATION INCLUDES SECTIONS ON (1) A REPORT OF THE MEETING AND (2) WORKING PAPERS.

AVAILABILITY: WORLD HEALTH ORGANIZATION, DISTRIBUTION AND SALES, 1211 GENEVA, SWITZERLAND

IRIS ACCESSION NUMBER: EW014833

PUBLICATION DATE: OCT 86

TITLE: THE UNITED STATES RECYCLING MOVEMENT, 1968 TO 1986: A REVIEW.

PERSONAL AUTHOR: SELDMAN, NEIL

DESCRIPTOR: *ECONOMICS; *COSTS; *CONSERVATION; *PROGRAM DESCRIPTIONS; *RESOURCE RECOVERY; *RECYCLING; *TRENDS; *SOLID WASTES; *WASTE COLLECTION; *WASTE DISPOSAL; *POLICIES; *REGULATIONS

DESCRIPTIVE NOTE: 30P. PRICE: $6.50, PREPAYMENT REQUIRED.

ABSTRACT: THIS PUBLICATION DESCRIBES THE RECYCLING MOVEMENT IN THE UNITED STATES FROM 1968 TO 1986. EXAMPLES OF SUCCESSFUL PROGRAMS ARE GIVEN AND TRENDS ARE DISCUSSED.

AVAILABILITY: INSTITUTE FOR LOCAL SELF-RELIANCE, 2425 18TH STREET, N.W., WASHINGTON, D.C. 20009

IRIS ACCESSION NUMBER: EW014834

PUBLICATION DATE: 87

TITLE: AN ENVIRONMENTAL REVIEW OF INCINERATION TECHNOLOGIES.

DESCRIPTOR: *AIR POLLUTION CONTROL; ACID GASES; *ENVIRONMENTAL IMPACT; ASH RESIDUE; *INCINERATION; DIOXINS; HEAVY METALS; *PUBLIC HEALTH; *RESEARCH REPORTS; *TECHNOLOGY; *SOLID WASTES; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 125P. PRICE: $52.00 POSTPAID

ABSTRACT: THIS REPORT INCLUDES A CURRENT ASSESSMENT OF ENVIRONMENTAL AND PUBLIC HEALTH RESEARCH BASED ON NORTH AMERICAN AND EUROPEAN DATA. THE DISCUSSION SYNTHESIZES CONTENDING SCIENTIFIC VIEWS ON THE SUBJECTS OF POLLUTION FORMATION AND THE EFFECTIVE VALUE OF AIR POLLUTION CONTROL EQUIPMENT IN ALLEVIATING RISKS FROM INCINERATOR EMISSIONS. APPENDED INFORMATION ADDRESSES COMMUNITY AND SOCIAL ISSUES REFLECTING THE COMPLEXITY OF THE WASTE MANAGEMENT ISSUE.

AVAILABILITY: INSTITUTE FOR LOCAL SELF-RELIANCE, 2425 18TH STREET, WASHINGTON, D.C. 20009

IRIS ACCESSION NUMBER: EW014835

PUBLICATION DATE: 87

TITLE: GARBAGE DISPOSAL ECONOMICS: A STATISTICAL SNAPSHOT.

DESCRIPTOR: *COMPOSTING; *COSTS; *ECONOMICS; *FACILITIES; *LAND DISPOSAL; *PERFORMANCE EVALUATION; *OPERATIONS (WASTE DISPOSAL); *RECYCLING; *INCINERATION; *SOLID WASTES; *WASTE DISPOSAL; *TECHNOLOGY

DESCRIPTIVE NOTE: 115P. PRICE: $200.00

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON A VARIETY OF VARIABLES RELATED TO GARBAGE DISPOSAL. COSTS OF ALL EXISTING SOLID WASTE PROCESSING TECHNOLOGIES ARE COMPARED. THE STUDY CONCLUDES THAT RECYCLING IS THE CHEAPEST ALTERNATIVE ON A PER TON BASIS. THE USE OF SEVERAL SMALL FACILITIES IS ALSO OFTEN CHEAPER THAN A SINGLE LARGER FACILITY ON A PER TON BASIS.

AVAILABILITY: INSTITUTE FOR LOCAL SELF-RELIANCE, 2425 18TH STREET, WASHINGTON D.C. 20009

IRIS ACCESSION NUMBER: EW014836

PUBLICATION DATE: 87

TITLE: MYCOTIC DISEASES IN EUROPE.

DESCRIPTOR: *CLASSIFICATION; *DIAGNOSIS; *EPIDEMIOLOGY; *PUBLIC HEALTH; *EUROPE; *FUNGAL DISEASES; *PATHOLOGY; *MYCOTIC DISEASES; *PREVENTION; *THERAPY

DESCRIPTIVE NOTE: 84P. SW.FR.9.- ISBN 92 890 1271 4

ABSTRACT: THIS BOOK ON FUNGAL DISEASES IS BASED ON A MEETING OF 15 EXPERTS IN THE FIELD WHO PROVIDE INFORMATION ON EPIDEMIOLOGY, PREVENTION, CLASSIFICATION, PATHOLOGY, DIAGNOSIS, AND THERAPY.

AVAILABILITY: WORLD HEALTH ORGANIZATION, DISTRIBUTION AND SALES, 1211 GENEVA 27 SWITZERLAND

IRIS ACCESSION NUMBER: EW014837

PUBLICATION DATE: 87

TITLE: ENVIRONMENTAL HEALTH PUBLICATIONS 1971-1986.

DESCRIPTOR: *AIR POLLUTION; *CHEMICAL SAFETY; *FOOD SAFETY; *OCCUPATIONAL HEALTH; *PUBLIC HEALTH; *SANITATION; *HAZARDOUS WASTES; *SOLID WASTES; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 20P.

ABSTRACT: THIS IS A LISTING OF ENVIRONMENTAL HEALTH PUBLICATIONS PRODUCED BETWEEN 1971 AND 1986. THE PUBLICATIONS RELATE TO ENVIRONMENTAL HEALTH PROBLEMS AND CONDITIONS FOR MANY COUNTRIES. DOCUMENTS ARE INCLUDED ON AIR POLLUTION, BASIC SANITATION, CHEMICAL SAFETY, FOOD SAFETY, OCCUPATIONAL HEALTH, SOLID AND HAZARDOUS WASTE, AND WATER QUALITY AND POLLUTION CONTROL.

AVAILABILITY: WORLD HEALTH ORGANIZATION, DISTRIBUTION AND SALES, 1211 GENEVA, SWITZERLAND

IRIS ACCESSION NUMBER: EW014838

PUBLICATION DATE: 87

TITLE: PROBLEMS AND OPPORTUNITIES IN SOLID WASTE MANAGEMENT: A DATA BASE FOR NEW JERSEY DECISION-MAKERS.

DESCRIPTOR: *DATABASES; *INCINERATION; *MANAGEMENT; *RECYCLING; *SOLID WASTES; *WASTE PROCESSING

DESCRIPTIVE NOTE: 150P. PRICE: $52.00--NEW JERSEY COMMUNITY ORGANIZATIONS-$27.00

ABSTRACT: THIS PUBLICATION CONTAINS INFORMATION ON RESOURCE RECOVERY TECHNOLOGIES GROUPED UNDER THE FOLLOWING CATEGORIES: (1) MASS BURN INCINERATION, (2) PROCESSING, AND (3) RECYCLING.

AVAILABILITY: INSTITUTE FOR LOCAL SELF-RELIANCE (ILSR), NEW JERSEY, EAST ORANGE, NEW JERSEY

IRIS ACCESSION NUMBER: EW014839

PUBLICATION DATE: MAY 87

TITLE: EXTERNAL EVALUATION OF CDC HOMESTUDY COURSE 3010-G "COMMUNITY HYGIENE".

PERSONAL AUTHOR: GANTT, JUDY M.; TERRELL, EDWARD L.

DESCRIPTOR: *ACHIEVEMENT; *COMMUNITY HYGIENE; *RESEARCH REPORTS; *HOMESTUDY; *NORTH CAROLINA; HEALTH PERSONNEL; *SANITARIANS; *PERFORMANCE EVALUATION; PUBLIC HEALTH; *INSTRUCTION; *PROGRAM EVALUATION

DESCRIPTIVE NOTE: 348-353P.

ABSTRACT: DISCUSSED IS A STUDY DESIGNED TO DETERMINE IF SUCCESSFUL COMPLETION OF A COMMUNITY HYGIENE COURSE BY SANITARIANS RESULTED IN REASONABLE CHANGES IN ACQUIRED KNOWLEDGE AND BEHAVIOR AND SKILLS RELATED TO JOB PERFORMANCE. RESULTS INDICATED THAT BOTH KNOWLEDGE AND SKILLS IMPROVED SIGNIFICANTLY AND THAT BOTH PARTICIPANTS AND SUPERVISORS PERCEIVED AN IMPROVEMENT IN JOB PERFORMANCE.

AVAILABILITY: JOURNAL OF ENVIRONMENTAL HEALTH, V49 N6

IRIS ACCESSION NUMBER: EW014840

PUBLICATION DATE: MAY 87

TITLE: VENTURA COUNTY HAZARDOUS WASTE MINIMIZATION PROGRAM.

PERSONAL AUTHOR: HANLON, DEBORAH A.; KOEPP, DONALD W.

DESCRIPTOR: *AUDITS; *CALIFORNIA; *ECONOMICS; *HAZARDOUS WASTES; *MANAGEMENT; *HAZARDOUS WASTE GENERATORS; *PROGRAM EVALUATION; *TECHNICAL ASSISTANCE; *TRENDS; *WASTE GENERATORS; *WASTE REDUCTION; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 358-362P.

ABSTRACT: THIS ARTICLE SUMMARIZES THE IMPACT OF A TECHNICAL ASSISTANCE PROGRAM AND AUDITS TO REDUCE HAZARDOUS WASTE GENERATION IN VENTURA COUNTY, CALIFORNIA. INFORMATION IS ALSO PRESENTED ON BARRIERS TO VOLUME REDUCTION AND PROVIDES A FRAMEWORK FOR LOCAL HAZARDOUS WASTE ALTERNATIVE TECHNOLOGY/VOLUME REDUCTION PROGRAM ACTIVITIES.

AVAILABILITY: JOURNAL OF ENVIRONMENTAL HEALTH; V49 N6

IRIS ACCESSION NUMBER: EW014841

PUBLICATION DATE: JUL 87

TITLE: QUANTITATIVE RISK EVALUATION OF UNDERGROUND STORAGE TANKS.

PERSONAL AUTHOR: CASSANA, J. G.; AND OTHERS

DESCRIPTOR: *RISK ASSESSMENT; *STORAGE TANKS; *UNDERGROUND STORAGE TANKS; *POLLUTION CONTROL; *EVALUATION CRITERIA; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 54-61P.

ABSTRACT: PRESENTED ARE TWO SETS OF CRITERIA FOR QUANTIFYING RISKS OF UNDERGROUND STORAGE TANKS. THE FIRST SET OF CRITERIA CONSISTS OF FIVE FACTORS WHICH CHARACTERIZE THE TANK SYSTEM AND CAN BE USED TO QUANTIFY THE RELATIVE POTENTIAL OF A RELEASE OCCURRING. THE SECOND SET OF CRITERIA CONSISTS OF FIVE PARALLEL FACTORS WHICH CHARACTERIZE THE ENVIRONMENTAL VULNERABILITY OF THE SITE, AND WHICH MAY BE USED TO QUANTIFY THE RELATIVE POTENTIAL OF MAJOR CORRECTIVE ACTION/THIRD PARTY CLAIM COSTS SHOULD A RELEASE OCCUR.

AVAILABILITY: POLLUTION ENGINEERING; V19 N7

IRIS ACCESSION NUMBER: EW014842

PUBLICATION DATE: JUL 87

TITLE: HAZARDOUS SPILL CONTAINMENT AND COLLECTION.

PERSONAL AUTHOR: SELL, NANCY J.; DEKEYSER, KERRY J.

DESCRIPTOR: *CLEANUP; *CLEANUP TECHNIQUES; *HAZARDOUS MATERIALS; *PERFORMANCE EVALUATION; *POLLUTION CONTROL; *SPILL COLLECTION; *SPILL CONTAINMENT; *TOXIC SUBSTANCES; *TECHNOLOGY

DESCRIPTIVE NOTE: 74-78P.

ABSTRACT: THIS ARTICLE PRESENTS A SUMMARY OF SOME OF THE CHEMICAL AND PHYSICAL PRINCIPLES UNDERLYING THE VARIOUS AVAILABLE TECHNOLOGIES FOR CONTAINMENT AND COLLECTION OF SPILLS OF TOXIC AND HAZARDOUS MATERIALS. TECHNIQUES THAT ARE AVAILABLE COMMERCIALLY FROM A NUMBER OF VENDORS FOR THE CONTROL OF SPILLS, AND AN INDICATION OF THE PERFORMANCE OF THE VARIOUS TYPES OF PRODUCTS.

AVAILABILITY: POLLUTION ENGINEERING; V19 N7

IRIS ACCESSION NUMBER: EW014843

PUBLICATION DATE: JUL 87

TITLE: HAZARDOUS WASTE TREATABILITY.

PERSONAL AUTHOR: RICH, GERALD A.

DESCRIPTOR: *CONTAMINANTS; *HAZARDOUS WASTES; *INORGANIC COMPOUNDS; *METALS; *TECHNOLOGY; *WASTE TREATMENT

DESCRIPTIVE NOTE: 80-81P.

ABSTRACT: DATA HAS BEEN COMPILED ON THE OBSERVED EFFECTIVENESS OF VARIOUS TREATMENT TECHNOLOGIES FOR 100 ORGANICS, INORGANICS AND METALS. THE TREATABILITY OF THESE CONTAMINANTS IS PRESENTED.

AVAILABILITY: POLLUTION ENGINEERING; V19 N7

IRIS ACCESSION NUMBER: EW014844

PUBLICATION DATE: JUL 87

TITLE: ENERGY CONSERVATION FOR TREATMENT FACILITIES: PART 2.

PERSONAL AUTHOR: REARDON, DAVID J. ; CULP, GORDON L.

DESCRIPTOR: *COSTS; *ENERGY CONSERVATION; *ENERGY USE; *EQUIPMENT; *LIGHTING; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 82-84P.

ABSTRACT: THIS IS PART II IN A SERIES OF ARTICLES ON ENERGY CONSERVATION FOR TREATMENT FACILITIES. DURING PLANT DESIGN, BASIC PROCESS SELECTION OFFERS OPPORTUNITIES FOR ENERGY SAVINGS. A CRITICAL LOOK AT EQUIPMENT AND LIGHTING SELECTED AND USED ALSO PROVIDES INFORMATION FOR ENERGY CONSERVATION.

AVAILABILITY: POLLUTION ENGINEERING; V19 N7

IRIS ACCESSION NUMBER: EW014845

PUBLICATION DATE: JUL 87

TITLE: BIOLOGICAL TREATMENT OF SURFACE AND GROUNDWATER.

PERSONAL AUTHOR: SUTTON, PAUL M.

DESCRIPTOR: *BIOLOGICAL TREATMENT; *CHEMICALS; *COSTS; *GROUNDWATER; *OPERATIONS (WASTEWATER); *OPERATIONS (WATER); *ORGANIC COMPOUNDS; *SURFACE WATER; *WASTEWATER TREATMENT; *WATER TREATMENT; *TECHNOLOGY

DESCRIPTIVE NOTE: 86-89P.

ABSTRACT: THIS ARTICLE DESCRIBES BIOLOGICAL TREATMENT TECHNOLOGIES AND THEIR BENEFITS IN TREATING COMPLEX ORGANICS. DISCUSSES THE TECHNICAL AND ECONOMIC FACTORS DICTATING SYSTEM SELECTION AND PRESENTS APPLICATION INFORMATION.

AVAILABILITY: POLLUTION ENGINEERING; V19 N7

IRIS ACCESSION NUMBER: EW014847

PUBLICATION DATE: JUN 83

TITLE: BIOLOGICAL HEALTH RISKS OF SLUDGE DISPOSAL TO LAND IN COLD CLIMATES.

PERSONAL AUTHOR: WALLIS, P.M.; LEHMANN, D.L.

DESCRIPTOR: *BACTERIOLOGY; *BIOLOGY; *COLD TEMPERATURE; *LAND APPLICATION; *PUBLIC HEALTH; *RECYCLING; *SLUDGE; *SLUDGE DISPOSAL; *TEMPERATURE; *WASTEWATER TREATMENT; *WASTE DISPOSAL; *CLIMATE; *RESEARCH REPORTS; *MYCOLOGY; *PARASITOLOGY; RESOURCE RECOVERY; *VIROLOGY

DESCRIPTIVE NOTE: 395P. PRICE: $18.00 PLUS POSTAGE & HANDLING: $1.50 FOR 1ST BOOK-$.50 FOR EACH ADDITIONAL BOOK: ISBN 0-919813-00-3

ABSTRACT: THIS BOOK SUMMARIZES INFORMATION ABOUT THE HEALTH HAZARDS FROM BIOLOGICAL PATHOGENS ASSOCIATED WITH LAND DISPOSAL OF SLUDGE IN COLD CLIMATES. SECTIONS ARE INCLUDED ON (1) BACTERIOLOGY AND MYCOLOGY, (2) PARASITOLOGY, (3) VIROLOGY, AND (4) A REVIEW AND SUMMARY.

AVAILABILITY: THE UNIVERSITY OF CALGARY PRESS, UNIVERSITY OF CALGARY, CALGARY, ALBERTA, CANADA T2N 1N4

IRIS ACCESSION NUMBER: EW014848
PUBLICATION DATE: OCT 86

TITLE: INTEGRATED APPROACHES TO RESOURCE PLANNING AND MANAGEMENT.

PERSONAL AUTHOR: LANG, REG

DESCRIPTOR: *MANAGEMENT; *NATURAL RESOURCES; *PLANNING; *POLICIES; *RESOURCE MANAGEMENT

DESCRIPTIVE NOTE: 311P. PRICE: $17.95 PLUS POSTAGE AND HANDLING; $1.50 FOR 1ST BOOK, $.50 FOR EACH ADDITIONAL BOOK; ISBN 0-919813-30-0

ABSTRACT: THE OBJECTIVES OF THIS VOLUME ARE TO PROVIDE A BALANCED DISCUSSION OF THE POLICY, PLANNING, AND IMPLEMENTATION PHASES IN INTEGRADED RESOURCE PLANNING AND MANAGEMENT. THE PUBLICATION ALSO PROVIDES DIRECTIONS FOR DEALING WITH PRESENT AND FUTURE CHALLENGES AND OPPORTUNITIES.

AVAILABILITY: THE UNIVERSITY OF CALGARY PRESS, 2500 UNIVERSITY DRIVE N.W., CALGARY, ALBERTA, CANADA T2N 1N4

IRIS ACCESSION NUMBER: EW014849

PUBLICATION DATE: 86

TITLE: TOXIC HAZARD ASSESSMENT OF CHEMICALS.

PERSONAL AUTHOR: RICHARDSON, MERVYN

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; *HAZARDOUS MATERIALS; *PUBLIC HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; *PROBLEMS; *RESEARCH NEEDS

DESCRIPTIVE NOTE: 361P. PRICE: $85.00

ABSTRACT: THIS BOOK IS DESIGNED TO PROVIDE GUIDANCE ON MEANS OF RETRIEVING, VALIDATING, AND INTERPRETING DATA IN ORDER TO MAKE A TECHNOLOGICAL HAZARD ASSESSMENT UPON A CHEMICAL.

AVAILABILITY: THE ROYAL SOCIETY OF CHEMISTY, BURLINGTON HOUSE, PICCADILLY, LONDON WIV OBN, ENGLAND

IRIS ACCESSION NUMBER: EW014855

PUBLICATION DATE: 87

TITLE: A CLASSIFICATION OF CAUSES OF ENVIRONMENTAL PROBLEMS AND SOME POLICY IMPLICATIONS.

PERSONAL AUTHOR: MCNEIL, RICHARD J.

DESCRIPTOR: *ECONOMIC CAUSES; *ENVIRONMENTAL PROBLEMS; *PLANNING; *MANAGEMENT; *POLICIES; NATURAL RESOURCES; POLLUTION CONTROL; *PROBLEM PREVENTION; PUBLIC HEALTH; VALUES; *QUALITY OF LIFE; TECHNOLOGY

DESCRIPTIVE NOTE: 138-143P.

ABSTRACT: THIS PAPER IS A CALL FOR GREATER ATTENTION TO THE CAUSATION AND PREVENTIVE MANAGEMENT OF ENVIRONMENTAL PROBLEMS AND FOR A DE-EMPHASIS OF REACTIVE, TECHNICAL, SHORT-TERM MEASURES WHICH ONLY ALLEVIATE PROBLEMS AFTER THEY HAVE ARISEN. CAUSES OF ENVIRONMENTAL PROBLEMS ARE GROUPED INTO 10 CLASSES; POLICY IMPLICATIONS ARE CONSIDERED.

AVAILABILITY: ENVIRONMENTAL PROFESSIONAL, V9 N2

IRIS ACCESSION NUMBER: EW014856

PUBLICATION DATE: 87

TITLE: EXPERT SYSTEMS AND KNOWLEDGE SYSTEMS FOR RISK COMMUNICATION.

PERSONAL AUTHOR: FIKSEL, JOSEPH; CORELLO, VINCENT T.

DESCRIPTOR: *EXPERT SYSTEMS; *FRAMEWORKS; *KNOWLEDGE SYSTEMS TECHNOLOGY; *MODELS; *KNOWLEDGE SYSTEMS; *RISK MANAGEMENT; *RISK ASSESSMENT; *RISK COMMUNICATION; *ENVIRONMENT; *HEALTH

DESCRIPTIVE NOTE: 144-152P.

ABSTRACT: THIS PAPER SUGGESTS THAT KNOWLEDGE SYSTEMS TECHNOLOGY (KST) CAN MAKE A SIGNIFICANT CONTRIBUTION TO THE RISK COMMUNICATION PROCESS BY PROVIDING A STRUCTURED, INTERACTIVE ENVIRONMENT IN WHICH QUALITATIVE KNOWLEDGE ABOUT SPECIFIC RISK SITUATIONS CAN BE EXAMINED AND INTERPRETED. THE PAPER PRESENTS CHALLENGES OF RISK COMMUNICATION, A FRAMEWORK OF RISK ANALYSIS AND MANAGEMENT, CONTRIBUTIONS OF KST TO RISK COMMUNICATIONS, AND APPLICATIONS TO COMMUNICATION PROBLEMS.

AVAILABILITY: ENVIRONMENTAL PROFESSIONAL; V9 N2

IRIS ACCESSION NUMBER: EW014858

PUBLICATION DATE: 87

TITLE: RADON. THE INVISIBLE THREAT. WHAT IT IS. WHERE IT IS. HOW TO KEEP YOUR HOUSE SAFE.

PERSONAL AUTHOR: LAFAVORE, MICHAEL

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ENVIRONMENT; *HAZARDOUS MATERIALS; *HOMES; *PUBLIC HEALTH; *RADIATION; *RADON; *RADON REDUCTION; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 256P. PRICE: $16.95, $20.95 IN CANADA

ABSTRACT: THIS BOOK EXPLAINS WHAT RADON IS, HOW RADON AFFECTS HEALTH, HOW TO DETERMINE IF YOUR HOUSE HAS RADON, AND HOW TO REMOVE AND REDUCE RADON IN A HOUSE.

AVAILABILITY: RODALE PRESS, INC., EMMAUS, PA 18049

IRIS ACCESSION NUMBER: EW014859

TITLE: WATER COST. A COMPUTER PROGRAM FOR ESTIMATING WATER AND WASTEWATER TREATMENT COSTS.

DESCRIPTOR: *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *COST ESTIMATING; *IBM; *CONSTRUCTION; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER); *WATER TREATMENT; *WASTEWATER TREATMENT; *FACILITIES; *MAINTENANCE

DESCRIPTIVE NOTE: TWO 360 KB DISKETTES. PRICE: $800.00. PROGRAM AND USER MANUAL. $30.00 USER MANUAL ONLY.

ABSTRACT: WATER COST IS A WATER AND WASTEWATER COST ESTIMATING SOFTWARE PROGRAM FOR THE IBM PERSONAL COMPUTER. THE PROGRAM CONTAINS EXTENSIVE COST DATA DEVELOPED BY CULP/WESNER/CULP. SOME OF THE COST DATA ARE PUBLISHED IN EPA REPORTS BUT MUCH OF THE INFORMATION IS UNPUBLISHED AND IS NOT AVAILABLE EXCEPT IN THE WATER COST PROGRAM. THE PROGRAM CALCULATES CONSTRUCTION COST ESTIMATES BASED ON USER DEFINED CRITERIA. CONSTRUCTION COSTS CAN BE UPDATED OR CHANGED TO REFLECT LOCAL CONDITIONS THROUGH A GROUP OF ENR AND BLS COST INDICES. THE PROGRAM CALCULATES ANNUAL OPERATION AND MAINTENANCE REQUIREMENTS FOR OVER 100 PROCESSES. THE USER CAN SELECT THE UNIT COST FOR EACH O & M CATEGORY INCLUDING ANY CHEMICALS REQUIRED. THIS FEATURE ALLOWS O & M COSTS TO BE UPDATED OR TAILORED TO LOCAL CONDITIONS ALONG WITH CONSTRUCTION COSTS. THE USER MANUAL EXPLAINS THE SIMPLE MENU DRIVEN PROCEDURE FOR PROGRAM OPERATION.

AVAILABILITY: CULP-WESNER-CULP, CONSULTING ENGINEERS, 2232 SE BRISTOL STREET, SUITE 210, SANTA ANA, CA 92707

IRIS ACCESSION NUMBER: EW014860

TITLE: YOUR HEALTH MATTERS.

DESCRIPTOR: *ACCIDENT PREVENTION; *AUDIOVISUAL AIDS; *CHEMICALS; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *SAFETY; *OCCUPATIONAL HEALTH; *POSTSECONDARY EDUCATION; *VIDEOTAPES

DESCRIPTIVE NOTE: 14 MIN. VIDEO. PRICE: $425.00

ABSTRACT: THIS VIDEO TAPE IS DESIGNED TO INFORM EMPLOYEES ABOUT THE BASICS OF HANDLING CHEMICALS SAFELY. POTENTIAL PHYSICAL AND HEALTH HAZARDS ASSOCIATED WITH CHEMICALS AND SUBSTANCES ARE DESCRIBED. THE PROGRAM STRESSES CONSULTING LABELS AND THE MSDS FOR LOCATING INFORMATION ON POTENTIAL HAZARDS, APPROPRIATE WORK PRACTICES AND PROPER PROTECTIVE EQUIPMENT. IT ALSO IDENTIFIES THE PRIMARY ROUTES OF ENTRY AND EXPLAINS THE DIFFERENCE BETWEEN ACUTE AND CHRONIC EFFECTS. THE COMPLETE PACKAGE INCLUDES A COMPREHENSIVE LEADER'S GUIDE WITH REVIEW TOPICS AND A REPRODUCIBLE QUIZ.

AVAILABILITY: DAYLE FRANCIS, INDUSTRIAL TRAINING SYSTEMS CORPORATION, 20 WEST STOW ROAD, MARLTON, NJ 08053

IRIS ACCESSION NUMBER: EW014862
PUBLICATION DATE: AUG 87

TITLE: OIL IN FRESHWATER: CHEMISTRY, BIOLOGY, COUNTERMEASURE TECHNOLOGY. PROCEEDINGS OF THE SYMPOSIUM ON OIL POLLUTION IN FRESHWATER, E.

PERSONAL AUTHOR: VANDERMEULEN, J.H.; HRUDEY, S.E.

DESCRIPTOR: CHEMISTRY; BIOLOGY; OIL; *OIL POLLUTION; *OIL SPILLS; *FRESHWATER POLLUTION; DEGRADATION; *WATER POLLUTION CONTROL; *POLLUTION PREVENTION; *CONFERENCE PROCEEDINGS; CLEANUP; TOXICITY; TECHNOLOGY; WATER TREATMENT

DESCRIPTIVE NOTE: 510P. PRICE: $110.00 APPROX.

ABSTRACT: THIS BOOK ADDRESSES VARIOUS ASPECTS OF CONTAMINATION IN RIVERS, LAKES, DRINKING WATER AND GROUND WATER INCLUDING THE CHEMISTRY OF OIL IN FRESHWATER, ITS PHYSICAL FATE AND DISTRIBUTION, MICROBIAL DEGRADATION, BIOLOGICAL EFFECTS AND TOXICITY, AND COUNTERMEASURE TECHNOLOGY. THE CONTENTS ARE THE PROCEEDINGS OF A SYMPOSIUM HELD IN CANADA IN 1984.

AVAILABILITY: PERGAMON, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW014863

PUBLICATION DATE: 86

TITLE: URBAN DRAINAGE CATCHMENTS. SELECTED WORLDWIDE RAINFALL- RUNOFF DATA FROM EXPERIMENTAL CATCHMENTS.

PERSONAL AUTHOR: MAKSIMOVIC, C.; RADOJKOVIC, M.

DESCRIPTOR: *DRAINAGE; *PERFORMANCE EVALUATION; *RESEARCH REPORTS; *SURFACE RUNOFF; *URBAN AREAS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 382P. PRICE: $120.00

ABSTRACT: THIS DOCUMENT PROVIDES A COLLECTION OF CAREFULLY SELECTED DATA FROM BOTH FIELD AND LABORATORY EXPERIMENTAL CATCHMENTS. CONTAINS COMPREHENSIVE DISCUSSIONS OF THE METHODOLOGY INVOLVED IN DATA COLLECTION, PROCESSING AND INTERPRETATION SUPPORTED BY COMPLETE DATA FROM 20 URBAN CATCHMENTS AND FOUR LABORATORY CATCHMENTS.

AVAILABILITY: PERGAMON, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW014864

PUBLICATION DATE: 86

TITLE: URBAN DRAINAGE MODELLING. PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON COMPARISON OF URBAN DRAINAGE MODELS WITH REAL CATCHMENT DA

PERSONAL AUTHOR: MAKSIMOVIC, C.; RADOJKOVIC, M.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DRAINAGE; *PERFORMANCE EVALUATION; *RESEARCH REPORTS; *MODELS; *SURFACE RUNOFF; *URBAN AREAS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 450P. PRICE: $120.00

ABSTRACT: THIS PUBLICATION PRESENTS RESULTS OF RESEARCH ON THE ACQUISITION AND PROCESSING OF DATA FOR VERIFICATION AND PREDICTION BY URBAN DRAINAGE RUNOFF MODELS. CONTAINING OVER 40 RESEARCH AND REVIEW PAPERS FROM LEADING INTERNATIONAL EXPERTS, THIS WORK EVALUATES RECENT ADVANCES IN BOTH NUMERICAL AND EXPERIMENTAL RESEARCH IN THE DEVELOPMENT, VERIFICATION, VALIDATION, TESTING AND PRACTICAL APPLICATION OF URBAN RUNOFF MODELS COVERING A WIDE RANGE OF GEOGRAPHICAL REGIONS AND CLIMATES.

AVAILABILITY: PERGAMON, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW014865

PUBLICATION DATE: 86

TITLE: PESTICIDES AND GROUNDWATER: A HEALTH CONCERN FOR THE MIDWEST.

DESCRIPTOR: *REGULATIONS; *GROUNDWATER; *MONITORING; *PESTICIDES; *PUBLIC HEALTH; *WATER QUALITY; *STANDARDS; *WATER POLLUTION CONTROL; *WATER RESOURCES; *WATER SUPPLY

DESCRIPTIVE NOTE: PRICE: $31.95

ABSTRACT: THIS IS THE PROCEEDINGS OF A CONFERENCE HELD IN MINNESOTA IN 1986. ISSUES ADDRESSED INCLUDE THE FOLLOWING: (1) FACTORS INFLUENCING PESTICIDE LEACHING TO GROUNDWATER; (2) GROUNDWATER MONITORING OF PRIVATE AND PUBLIC WATER SUPPLIES; (3) CLINICAL IMPLICATIONS AND RESEARCH ON CHRONIC HEALTH EFFECTS OF PESTICIDES; (4) EFFECTIVE HEALTH STANDARD-SETTING; (5) PESTICIDE REGULATION; (6) INNOVATIVE APPROACHES TO PROTECTION OF GROUNDWATER RESOURCES; AND (7) CHANGING RESPONSIBILITIES IN THE AGRICULTURAL AND AGRO-BUSINESS COMMUNITIES.

AVAILABILITY: FRESHWATER FOUNDATION, 2500 SHADYWOOD ROAD, BOX 90, NAVARRE, MN 55392

IRIS ACCESSION NUMBER: EW014866

PUBLICATION DATE: NOV 86

TITLE: ANYBODY CAN DO IT?

DESCRIPTOR: *CONTAMINATION; *DRINKING WATER; *CROSS CONNECTIONS; *PLUMBING; *PUBLIC HEALTH; *WATER QUALITY; *WATER DISTRIBUTION

DESCRIPTIVE NOTE: 13.5 MIN. FILM. PRICE: VHS OR BETA VIDEO - $200.00, 16MM - $300.00, RENTAL - $80.00

ABSTRACT: THIS FILM IS A NON-TECHNICAL FILM USING LAYMEN'S LANGUAGE AND IS AIMED AT THE AVERAGE CONSUMER. IT IS DESIGNED TO ALERT HOMEOWNERS TO THE PROBLEM OF CROSS CONNECTIONS IN HOUSEHOLD PLUMBING.

AVAILABILITY: EPIC FILM PRODUCTIONS, 1203 W. 44TH STREET, AUSTIN, TX 78756

IRIS ACCESSION NUMBER: EW014867

PUBLICATION DATE: SUM 87

TITLE: CLEAR WATER, CLEAN WATER: CURRENT PROGRAMS AND FUTURE STRATEGIES FOR MANAGING GREAT LAKES WATER QUALITY.

DESCRIPTOR: *GREAT LAKES; *MANAGEMENT; *PROGRAM DESCRIPTIONS; *LAWS; *TRENDS; *WATER QUALITY

DESCRIPTIVE NOTE: PRICE: U.S. - $12.00, CANADA - $16.00

ABSTRACT: DESCRIBES PROVISIONS OF THE GREAT LAKES WATER QUALITY AGREEMENT; PRESENTS A VARIETY OF PERSPECTIVES ON THE EFFECTIVENESS OF LAWS AND PROGRAMS IN PLACE TO ACHIEVE AGREEMENT GOALS; REVIEWS NEW INITIATIVES UNDERWAY, NEW TECHNOLOGIES AVAILABLE AND NEW STRATEGIES PROPOSED TO IMPROVE THE LAKES' WATER QUALITY; DETAILS HOW LOCAL CITIZENS GROUPS, INDUSTRIES, SCIENTISTS AND GOVERNMENTS ARE GETTING INVOLVED IN CLEANING UP AREAS OF CONCERN IN THEIR OWN COMMUNITIES.

AVAILABILITY: THE CENTER FOR THE GREAT LAKES, 435 N. MICHIGAN AVE.,SUITE 1400, CHICAGO, IL 60611

IRIS ACCESSION NUMBER: EW014870

PUBLICATION DATE: 85

TITLE: AMERICA'S CLEAN WATER. THE STATES' NONPOINT SOURCE MANAGEMENT EXPERIENCE 1985.

DESCRIPTOR: *AGRICULTURE; *DIRECTORIES; *GROUNDWATER; *EROSION CONTROL; *MANAGEMENT; *NONPOINT SOURCE POLLUTION; *SILVICULTURE; *POLLUTION CONTROL; *STATE PROGRAMS; *WATER POLLUTION CONTROL; *WATER QUALITY; *URBAN AREAS

DESCRIPTIVE NOTE: 110P.

ABSTRACT: THE MANAGEMENT BRIEFS CONTAINED IN THIS DOCUMENT ILLUSTRATE THE DEPTH OF THE STATES' COMMITMENT TO THE MANAGEMENT OF NONPOINT SOURCES AND THE SCOPE OF CURRENT ACTIVITIES IN THE ABATEMENT OF NONPOINT SOURCE POLLUTION. THE MANAGEMENT BRIEFS ARE CODED ALPHABETICALLY BY STATE. A STATE TOPIC INDEX ALLOWS THE READER TO DETERMINE AT A GLANCE THE NONPOINT SOURCE TOPICS COVERED BY EACH STATE. A DETAILED KEY WORD INDEX PROVIDES FOR EASY ACCESS OF DATA RELATED TO A PARTICULAR POLLUTANT, SOURCE, OR OTHER AREA OF INTEREST.

AVAILABILITY: HALL OF THE STATES, 444 N. CAPITOL STREET, NW SUITE 330, WASHINGTON, D.C. 20001

IRIS ACCESSION NUMBER: EW014871

PUBLICATION DATE: SEP 85

TITLE: AMERICA'S CLEAN WATER. THE STATES' NONPOINT SOURCE ASSESSMENT 1985.

DESCRIPTOR: *GROUNDWATER; *ISSUES; *MANAGEMENT; *NONPOINT SOURCE POLLUTION; *POLLUTANTS; *SURFACE WATER; *TRENDS; *WATER QUALITY; *STATE PROGRAMS

DESCRIPTIVE NOTE: 27P.

ABSTRACT: THIS REPORT PROVIDES RATIONAL DATA ON NONPOINT SOURCE WATER POLLUTION. SECTIONS ARE INCLUDED ON BASELINE DATA, STATE REPORTS ON SURFACE WATER, SURFACE WATER MANAGEMENT PROGRAMS, GROUNDWATER AND NONPOINT SOURCE MANAGEMENT, FUTURE DIRECTIONS, AND SUMMARY OF FINDINGS AND CONCLUSIONS.

AVAILABILITY: ASSOCIATION OF STATE AND INTERSTATE WATER POLLUTION CONTROL ADMINISTRATORS, 444 NORTH CAPITOL STREET, N.W., WASHINGTON, D.C. 20001

IRIS ACCESSION NUMBER: EW014877

PUBLICATION DATE: 84

TITLE: ASBESTOS AIR MONITORING: A COMPREHENSIVE VIDEO GUIDE.

DESCRIPTOR: *AIR POLLUTION CONTROL; *ASBESTOS; *AUDIOVISUAL AIDS; *EQUIPMENT; *HAZARDOUS MATERIALS; *INDUSTRIAL MATERIALS; *MONITORING; *REGULATIONS; *VIDEO TAPES

DESCRIPTIVE NOTE: 30 MIN. VIDEO AVAILABLE ON: VHS (#90140) - $69.95; BETA (#90141) - $69.95; U-MATIC (#90142) - $139.95

ABSTRACT: THIS PROGRAM PROVIDES AN ORIENTATION TO THE EQUIPMENT AND PROCEDURES FOR COLLECTING AND ANALYZING ASBESTOS AIR SAMPLES. INCLUDES GENERAL RULES AND REGULATIONS FOR INDUSTRY; LOW-VOLUME PERSONAL SAMPLING DEVICES; HIGH-VOLUME AIR COLLECTION PUMPS; CALIBRATION PROCEDURES FOR PUMPS; AIR COLLECTION FILTER CASSETTES; AIR SAMPLING PROTOCOLS; ENVIRONMENTAL ASSESSMENT MONITORING; PRE-TESTING; OSHA COMPLIANCE MONITORING; AND MORE.

AVAILABILITY: SOURCE FINDERS CORP., P.O. BOX 758, MT. LAUREL, N.J. 08054

IRIS ACCESSION NUMBER: EW014878

PUBLICATION DATE: 84

TITLE: ASBESTOS PROBLEMS: A PUBLIC AWARENESS VIDEO.

DESCRIPTOR: *ASBESTOS; *AUDIOVISUAL AIDS; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *PUBLIC HEALTH; *VIDEOTAPES

DESCRIPTIVE NOTE: 20 MIN. VIDEO AVAILABLE ON: VHS (#90137) - $69.95; BETA (#90138) - $69.95; U-MATIC (#90139) - $139.95

ABSTRACT: THIS VIDEO EXPLAINS THE ELEMENTAL NATURE OF ASBESTOS MINERALS AND THEIR HAZARDS. VIEWERS ARE SHOWN TYPICAL ASBESTOS CONSTRUCTION MATERIALS AND BRIEFED ON THE NEED TO APPROACH ASBESTOS SITUATIONS RATIONALLY. PROVIDES BRIEF DESCRIPTION OF THE INSPECTIONS PERFORMED TO DETERMINE IF A HAZARD EXISTS. EMPHASIZES THE NEED FOR ADEQUATE TRAINING ON THE PART OF ANYONE WHO MUST DEAL WITH ASBESTOS-CONTAINING MATERIALS IN BUILDINGS.

AVAILABILITY: SOURCE FINDERS CORP., P.O. BOX 758, MT. LAUREL, N.J. 08054

IRIS ACCESSION NUMBER: EW014879

PUBLICATION DATE: 84

TITLE: ASBESTOS RESPONSE TEAM TRAINING VIDEO.

DESCRIPTOR: *ASBESTOS; *AUDIOVISUAL AIDS; *ACCIDENT PREVENTION; *ASBESTOS EMERGENCIES; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *MAINTENANCE; OCCUPATIONAL HEALTH; SAFETY; *VIDEOTAPES

DESCRIPTIVE NOTE: 45 MIN. VIDEO AVAILABLE ON: VHS (#90146) - $69.95; BETA (#90147) - $69.95; U-MATIC (#90148) - $139.95

ABSTRACT: THIS TWO-PART VIDEO PROGRAM WAS ORIGINALLY PREPARED AS PART OF A COMPREHENSIVE TRAINING PACKAGE FOR IN-HOUSE INDUSTRIAL "ASBESTOS RESPONSE" CREWS. IT COVERS SUCH AREAS AS PERSONAL PROTECTIVE GEAR; DECONTAMINATION PROCEDURES; EQUIPMENT FOR MAINTENANCE AND REPAIR WORK; RESPONSE TO ASBESTOS EMERGENCIES; SETTING UP A SMALL WORK AREA; DECONTAMINATION OF FURNITURE; REPAIRING ASBESTOS PIPES & BOILER COVERINGS; MINOR ASBESTOS REMOVAL JOBS; ACCESSING A SUSPENDED CEILING AREA; HANDLING ASBESTOS-CONTAINING WASTE.

AVAILABILITY: SOURCE FINDERS CORP., P.O. BOX 758, MT. LAUREL, N.J. 08054

IRIS ACCESSION NUMBER: EW014880

PUBLICATION DATE: 84

TITLE: CUSTODIAL ASBESTOS AWARENESS & GLOVE BAG REMOVAL.

DESCRIPTOR: *AUDIOVISUAL AIDS; *ASBESTOS; ACCIDENT PREVENTION; *HAZARDOUS MATERIALS; *MAINTENANCE; *BUILDING MAINTENANCE; *INSTRUCTIONAL MATERIALS; *OCCUPATIONAL HEALTH; SAFETY; *VIDEOTAPES

DESCRIPTIVE NOTE: 22 MIN. VIDEO AVAILABLE ON: VHS (#90143) - $69.95; BETA (#90144) - $69.95; U-MATIC (#90145) - $139.95

ABSTRACT: THIS VIDEO IS AIMED AT ORIENTING MAINTENANCE WORKERS TO THE GENERAL SAFETY PRECAUTIONS AND PROCEDURES REQUIRED FOR ASBESTOS-RELATED TASKS. THE PROGRAM EXPLAINS HOW TO RECOGNIZE POTENTIAL ASBESTOS HAZARDS AND STRESSES THE

NEED FOR REPORTING SUCH PROBLEMS TO THE APPROPRIATE BUILDING AUTHORITY. EMPHASIZES COMMON-SENSE SOLUTIONS AND DEMONSTRATES HOW TO DEAL WITH MINOR ASBESTOS DAMAGE.

AVAILABILITY: SOURCE FINDERS CORP., P.O. BOX 758, MT. LAUREL, N.J. 08054

IRIS ACCESSION NUMBER: EW014881

PUBLICATION DATE: 84

TITLE: RESPIRATORS FOR ASBESTOS: A VIDEO ORIENTATION.

DESCRIPTOR: *AUDIOVISUAL AIDS; *ASBESTOS; *ACCIDENT PREVENTION; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *OCCUPATIONAL HEALTH; *RESPIRATORS; *SAFETY; *VIDEOTAPES

DESCRIPTIVE NOTE: 30 MIN. VIDEO AVAILABLE ON: VHS (#90134) - $69.95; BETA (#920135) - $69.95; U-MATIC (#90136) - $139.95

ABSTRACT: THIS VIDEO ASSUMES THE VIEWER HAS LITTLE OR NO KNOWLEDGE OF THE SUBJECT AND COVERS ALL TYPES OF RESPIRATORS ASSOCIATED WITH ASBESTOS-RELATED WORK, FROM HALF-FACE CARTRIDGE RESPIRATORS TO SUPPLIED AIR, TYPE-C UNITS. THE DIFFERENT SORTS OF RESPIRATORS ARE DISPLAYED AND EXPLAINED IN TERMS OF HOW THEY WORK AND WHY DIFFERENT TYPES ARE NEEDED FOR DIFFERENT SORTS OF ASBESTOS WORK.

AVAILABILITY: SOURCE FINDERS CORP., P.O. BOX 758, MT. LAUREL, N.J. 08054

IRIS ACCESSION NUMBER: EW014882

PUBLICATION DATE: 87

TITLE: HAZARDOUS WASTES FROM HOME.

PERSONAL AUTHOR: LORD, JOHN

DESCRIPTOR: *CITIZEN PARTICIPATION; *HAZARDOUS WASTES; *HOMES; *PUBLIC HEALTH; *SOLID WASTES; *TOXIC SUBSTANCES; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 40P. PRICE: $2.75 PLUS $1.50 POSTAGE AND HANDLING, DISCOUNTS AVAILABLE ON QUANTITY ORDERS.

ABSTRACT: THE MANAGEMENT OF WASTE MATERIALS HAS BECOME MORE COMPLEX WITH THE INCREASE IN HUMAN POPULATION AND THE DEVELOPMENT OF NEW SUBSTANCES. THIS DOCUMENT TRACES THE HISTORY OF WASTE MANAGEMENT AND PROVIDES GUIDELINES FOR INDIVIDUALS AND COMMUNITIES IN DISPOSING OF CERTAIN HAZARDOUS WASTES SAFELY. IT ADDRESSES SUCH TOPICS AS: (1) HOW PEOPLE HAVE LEARNED TO MANAGE WASTES; (2) NEW WAYS OF LIFE (NEW PRODUCTS AND NEW WASTES); (3) WASTES THAT ARE CONSIDERED HAZARDOUS; (4) TOXIC WASTES; (5) ASBESTOS; (6) TOXIC METALS; (7) ORGANIC SOLVENTS; (8) ACIDS AND BASES; (9) PESTICIDES; (10) WHY THE OLD WAYS OF WASTE DISPOSAL DONOT WORK FOR SOME WASTES; (11) WHAT YOU CAN DO AT HOME (REDUCTION AND RECYCLING); (12) WHAT A COMMUNITY CAN DO WITH COLLECTED WASTES (TREATMENT, INCINERATION); (13) HAZARDOUS WASTE LANDFILLS; (14) WHAT YOU CAN DO FOR YOUR COMMUNITY; AND (15) SUGGESTIONS FOR HANDLING PARTICULAR WASTES.

AVAILABILITY: ENTERPRISE FOR EDUCATION, 1320A SANTA MONICA MALL, SANTA MONICA, CA 90401

IRIS ACCESSION NUMBER: EW014883

PUBLICATION DATE: 86

TITLE: THE DISPOSAL FACILITY.

DESCRIPTOR: *AUDIOVISUAL AIDS; *HAZARDOUS WASTES; *INSTRUCTIONAL MATERIALS; *FACILITIES; *VIDEOTAPES; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75; ONE-WEEK RENTAL: FULL SERIES, $1,225; INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: THE DISPOSAL FACILITY TAKES THE VIEWER INSIDE AN ACTUAL HAZARDOUS WASTE DISPOAL FACILITY FOLLOWING A TYPICAL LOAD OF HAZARDOUS WASTE FROM ITS ARRIVAL AT THE FACILITY TO ITS EVENTUAL DISPOSAL. IT HIGHLIGHTS THE VARIOUS OPERATIONS CONDUCTED BY THE DISPOSAL FACILITY AND DEMONSTRATES WHY CORRECT PACKAGING, LOADING, MANIFESTING, AND TRANSPORTATION ARE ESSENTIAL TO EFFECTIVE CRADLE-TO-GRAVE WASTE MANAGEMENT. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.
AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014884

PUBLICATION DATE: 86

TITLE: INTRODUCTION TO HAZARDOUS WASTE.

DESCRIPTOR: *AUDIOVISUAL AIDS; *HAZARDOUS WASTES; *INSTRUCTIONAL MATERIALS; *MANAGEMENT; *VIDEOTAPES

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75; ONE-WEEK RENTAL: FULL SERIES, $1,225; INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: INTRODUCTION TO HAZARDOUS WASTE PRESENTS AN OVERVIEW OF THE WORKINGS OF THE HAZARDOUS WASTE MANAGEMENT PROCESS. IT DISCUSSES GOVERNMENT REGULATIONS, EMPHASIZES THE IMPORTANT ROLE EACH INDIVIDUAL PLAYS ON THE HAZARDOUS WASTE MANAGEMENT TEAM, AND THE IMPORTANCE OF DOING THE JOB RIGHT. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014885
PUBLICATION DATE: 86

TITLE: LAB PACKING.

DESCRIPTOR: *AUDIOVISUAL AIDS: *HAZARDOUS WASTES: *INSTRUCTIONAL MATERIALS: *SMALL GENERATORS: *VIDEOTAPES: *WASTE PACKAGING: *WASTE DISPOSAL

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75: ONE-WEEK RENTAL: FULL SERIES, $1,225: INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: LAB PACKING FOCUSES ON A WASTE PACKAGING TECHNIQUE COMMONLY EMPLOYED BY HOSPITALS, UNIVERSITIES AND OTHER SMALL QUANTITY GENERATORS. THE VIDEO PROVIDES A DEMONSTRATION OF A SIMPLE TIME-SAVING AND COST-EFFECTIVE WASTE SEGREGATION SYSTEM AND ILLUSTRATES PROPER PACKING MEDIUMS, LABELING WASTE INVENTORYING, AND PACKAGING. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014886

PUBLICATION DATE: 86

TITLE: LIQUID HAZARDOUS WASTE.

DESCRIPTOR: *AUDIOVISUAL AIDS: *HAZARDOUS WASTES: *INSTRUCTIONAL MATERIALS: *LIQUID HAZARDOUS WASTES: *PACKAGING: *VIDEOTAPES: *STORAGE: *WASTE COLLECTION: *WASTE STORAGE

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75: ONE-WEEK RENTAL: FULL SERIES, $1,225: INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: LIQUID HAZARDOUS WASTE PROVIDES SPECIALIZED TRAINING FOR PERSONNEL INVOLVED IN COLLECTION, CONTAINERIZATION, AND STORAGE OF HAZARDOUS WASTE IN LIQUID FORM. USE OF APPROVED CONTAINERS, WASTE SEGREGATION TECHNIQUES, PERSONAL PROTECTIVE EQUIPMENT, APPROVED TRANSFER METHODS, LABELING REQUIREMENTS, STORAGE REGULATIONS, AND IN-PLANT SPILL REPORTING PROCEDURES ARE DEMONSTRATED AND DISCUSSED. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014887
PUBLICATION DATE: 86

TITLE: PACKAGING HAZARDOUS WASTE.

DESCRIPTOR: *AUDIOVISUAL AIDS: *HAZARDOUS WASTES: *INSTRUCTIONAL MATERIALS: *PACKAGING: *VIDEOTAPES: *STORAGE: *TRANSPORTATION

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75: ONE-WEEK RENTAL: FULL SERIES, $1,225: INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: PACKAGING HAZARDOUS WASTE IS AN INSTRUCTIONAL GUIDE FOR WORKERS WITH THE RESPONSIBILITIES OF PREPARING HAZARDOUS WASTE FOR SAFE STORAGE, TRANSPORTATION AND DISPOSAL. THE VIDEO COVERS PROPER PACKAGING, LABELING, AND MARKING PROCEDURES AND DISCUSSES COMMON PROBLEMS. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014888

PUBLICATION DATE: 86

TITLE: THE TRANSPORTER'S CHECKLIST.

DESCRIPTOR: *AUDIOVISUAL AIDS: *HAZARDOUS WASTES: *INSTRUCTIONAL MATERIALS: *TRANSPORTATION: *VIDEOTAPES

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75: ONE-WEEK RENTAL: FULL SERIES, $1,225: INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: THE TRANSPORTER'S CHECKLIST ILLUSTRATES THE ESSENTIALS OF PROPER HAZARDOUS WASTE TRANSPORTATION. IT PROVIDES A REVIEW OF REQUIRED EQUIPMENT INSPECTIONS, DEMONSTRATES VEHICLE LOADING AND PLACARDING AND EMPHASIZES ATTENTION TO REGULATORY RESPONSIBILITIES. IT ALSO INCLUDES PROBLEM RECOGNITION INFORMATION NEEDED FOR CORRECTIVE ACTION SO THAT POTENTIALLY COSTLY PROBLEMS MAY BE PREVENTED BEFORE THEY LEAVE THE GENERATING FACILITY. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014889

PUBLICATION DATE: 86

TITLE: THE UNIFC HAZARDOUS WASTE MANIFEST.

DESCRIPTOR: *AUDIOVISUAL AIDS; *HAZARDOUS WASTES; *INSTRUCTOONAL MATERIALS; *MANIFESTS; *MANAGEMENT; *VIDEOTAPES

DESCRIPTIVE NOTE: 15 MIN. VIDEO APPROX. ORDERING INFORMATION: EXECUTIVE EVALUATION PREVIEW (24 HOURS): $75; ONE-WEEK RENTAL: FULL SERIES, $1,225; INDIVIDUAL TITLES, $175 EACH. LIFE-OF-PRINT LICENSE: FULL SERIES (7 TITLES): $2,625, INDIVIDUAL TITLE(S): ONE-$435

ABSTRACT: THE UNIFORM HAZARDOUS WASTE MANIFEST FOCUSES ON THE CENTRAL TRACKING DOCUMENT ESSENTIAL IN CRADLE-TO-GRAVE MANAGEMENT OF HAZARDOUS WASTE. THIS VIDEO GRAPHICALLY EXPLAINS THE MANIFEST THROUGH A STEP-BY-STEP PROCESS AND EMPHASIZES ITS IMPORTANCE TO THE HAZARDOUS WASTE MANAGEMENT PROCESS. THIS IS ONE TAPE IN A SEVEN TAPE SERIES.

AVAILABILITY: BNA COMMUNICATIONS, INC., 9439 KEY WEST AVENUE, ROCKVILLE, MARYLAND 20850-9989

IRIS ACCESSION NUMBER: EW014890

PUBLICATION DATE: MAY 86

TITLE: UNDERGROUND MOTOR FUEL STORAGE TANKS: A NATIONAL SURVEY. VOLUME II. APPENDICES.

PERSONAL AUTHOR: DIETZ, STEPHEN K.; AND OTHERS.

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *MOTOR FUEL; *STORAGE TANKS; *SURVEYS; *UNDERGROUND STORAGE TANKS; *POLLUTION CONTROL; WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 350P. PRICE: $40.95 FOR VOLUME I AND VOLUME II; ORDER NUMBER: EPA 560/5-86-013

ABSTRACT: THIS PUBLICATION CONTAINS THE APPENDICES FOR EW 014 891. SEE EW 014 891 FOR A DESCRIPTION OF THE SURVEY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014891

PUBLICATION DATE: MAY 86

TITLE: UNDERGROUND MOTOR FUEL STORAGE TANKS: A NATIONAL SURVEY. VOLUME I. TECHNICAL REPORT.

PERSONAL AUTHOR: DIETZ, STEPHEN K.; AND OTHERS.

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *MOTOR FUEL; *STORAGE TANKS; *SURVEYS; *UNDERGROUND STORAGE TANKS; *POLLUTION CONTROL; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 227P. PRICE: $40.95 FOR VOLUME I AND VOLUME II; ORDER NUMBER: EPA 560/5-86-013

ABSTRACT: A NATIONALLY REPRESENTATIVE SAMPLE OF 2,812 ESTABLISHMENTS WERE INTERVIEWED TO DETERMINE THE PRESENCE OF UNDERGROUND MOTOR FUEL STORAGE TANKS. THIS SAMPLE REPRESENTED ESTABLISHMENTS IN FUEL-RELATED INDUSTRIES (1,612), LARGE ESTABLISHMENTS IN ALL OTHER INDUSTRIES (600), AND FARMS (600). A TOTAL OF 890 OF THESE ESTABLISHMENTS WERE FOUND TO HAVE A TOTAL OF 2,445 UNDERGROUND MOTOR FUEL STORAGE TANKS. ONLY 19 FARMS WITH 34 TANKS WERE FOUND. THE FOLLOWING NATIONAL ESTIMATES WERE MADE: THERE ARE 796,000 UNDERGROUND MOTOR FUEL STORAGE TANKS AT 326,000 ESTABLISHMENTS IN THE UNITED STATES -- 150,000 OF THESE ARE ON 79,000 FARMS. A SUBSAMPLE OF 210 ESTABLISHMENTS WAS SELECTED FOR TANK TIGHTNESS TESTING, USING A MODIFICATION OF A COMMERCIALLY AVAILABLE TEST. THE METHOD OVER-FILLED THE TANK SYSTEM INTO A STANDPIPE, AND THUS DETECTED LEACKAGE ANYWHERE IN THE SYSTEM OF TANK VESSEL, PIPES, LINES, JOINTS, AND FITTINGS. AMONG THE NON-FARM ESTABLISHMENTS TESTED, THE FOLLOWING ESTIMATES WERE MADE: 35 PERCENT (189,000) OF TANK SYSTEMS WERE JUDGED TO BE LEAKING UNDER TEST CONDITIONS; THE AVERAGE LEAK RATE OF THOSE SYSTEMS WITH QUANTIFIABLE LEAK RATE, ADJUSTED FOR TEST PRESSURE, WAS 0.32 GALLONS PER HOUR; HALF THE LEAKS AMONG ALL SYSTEMS JUDGED TO BE LEAKING WERE 0.25 GALLONS PER HOUR OR LESS. VOLUME I IS THE TECHNICAL REPORT. VOLUME II (EW 014 890) CONTAINS THE APPENDICES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW014892

PUBLICATION DATE: MAR 87

TITLE: YOUR BOAT AND THE BAY. HOMEOWNER SERIES.

DESCRIPTOR: *BOATING; *CHESAPEAKE BAY; *ENVIRONMENT; *ENVIRONMENTAL IMPACT; *MAINTENANCE; *RECREATION; *SANITATION; *MARYLAND; *WATER QUALITY; *VIRGINIA

DESCRIPTIVE NOTE: 12P.

ABSTRACT: THIS PUBLICATION IS DESIGNED TO PROVIDE INFORMATION AND SUGGESTIONS FOR ENJOYING BOATING ON CHESAPEAKE BAY AND SAFEGUARDING THE QUALITY OF THE ENVIRONMENT. SITES FOR PUMP-OUT OF MARINE SANITATION DEVICES IN MARYLAND AND VIRGINIA ARE LISTED.

AVAILABILITY: THE CHESAPEAKE BAY FOUNDATION, 162 PRINCE GEORGE ST., ANNAPOLIS, MD 21401

IRIS ACCESSION NUMBER: EW014893

PUBLICATION DATE: NOV 86

TITLE: SEPTIC SYSTEMS AND THE BAY. HOMEOWNER SERIES.

DESCRIPTOR: *ONSITE WASTEWATER TREATMENT; *MAINTENANCE; *OPERATIONS (WASTEWATER); *SEPTIC SYSTEMS; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 6P.

ABSTRACT: THIS PUBLICATION PROVIDES SUGGESTIONS ON PROPER

OPERATION AND CARE OF SEPTIC SYSTEMS TO AVOID CONTAMINATION OF THE ENVIRONMENT.

AVAILABILITY: THE CHESAPEAKE BAY FOUNDATION, 162 PRINCE GEORGE STREET, ANNAPOLIS, MD 21401

IRIS ACCESSION NUMBER: EW014894

PUBLICATION DATE: NOV 86

TITLE: A GUIDE TO HOUSEHOLD HAZARDOUS WASTE. HOMEOWNER SERIES.

DESCRIPTOR: *ENVIRONMENT; *HAZARDOUS WASTES; *HOUSEHOLD WASTES; *POLLUTION CONTROL; *WATER POLLUTION CONTROL; *WATER QUALITY; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 8P.

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION TO HELP ENSURE THAT A HOME IS NOT A HAZARDOUS WASTE CONTRIBUTOR TO CHESAPEAKE BAY. THE IDEAS PRESENTED WOULD APPLY TO OTHER AREAS AS WELL. AMONG THE ITEMS INCLUDED IS A LIST OF HOUSEHOLD HAZARDOUS WASTES AND SUGGESTED PROCEDURES FOR DISPOSAL.

AVAILABILITY: THE CHESAPEAKE BAY FOUNDATION, 162 PRINCE GEORGE ST., ANNAPOLIS, MD 21401

IRIS ACCESSION NUMBER: EW014897

PUBLICATION DATE: FEB 86

TITLE: ALTERNATIVE ONSITE WASTEWATER TREATMENT AND DISPOSAL SYSTEMS ON SEVERELY LIMITED SITES.

PERSONAL AUTHOR: CASHELL, MARGARET M.; AND OTHERS.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *OPERATIONS (WASTEWATER); *ONSITE WASTEWATER TREATMENT; *PERFORMANCE EVALUATION; *TECHNOLOGY; *WASTEWATER TREATMENT; *RESEARCH REPORTS; *SITE PROBLEMS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 299P. PRICE: $10.94

ABSTRACT: SEVERAL RESEARCH AND EVALUATION STUDIES WERE PERFORMED ON ALTERNATIVE ONSITE SYSTEMS ON SITES WITH SEVERE LIMITATIONS FOR CONVENTIONAL SYSTEMS. THE MAJOR LIMITATIONS INCLUDED SLOW PERMEABILITY, A SEASONALLY HIGH WATER TABLE, AND LIMITING SOIL HORIZONS. SEVERAL TYPICAL SITE EVALUATION TECHNIQUES WERE ALSO EVALUATED, AND GROUNDWATER CONTAMINATION WAS INVESTIGATED. THE STUDIES EVALUATED SYSTEMS THAT RELY ON THE SOIL FOR TREATMENT AND DISPOSAL (INCLUDING LOW PRESSURE PIPE, ALTERNATING SOIL ABSORPTION FIELDS, SHALLOW CONVENTIONAL TRENCHES, GRAVELLESS TRENCHES, AND MOUNDS) AND SYSTEMS THAT DISCHARGE TO SURFACE WATERS OR TO THE ATMOSPHERE (INCLUDING INTERMITTENT SAND FILTERS, UPFLOW GRAVEL FILTERS, SUBSURFACE GRAVEL BEDS, AND EVAPOTRANSPIRATION BEDS). STUDIES WERE PERFORMED ON FULL-SCALE OPERATING SYSTEMS, SCALED-DOWN FIELD SYSTEMS, OR LABORATORY COLUMNS. A SHALLOW TRENCH SYSTEM WITH SUFFICIENT VOLUME TO ACCOMMODATE EITHER A LOW LOADING RATE OR STORAGE CAPACITY FOR LOW ABSORPTION PERIODS, HAD THE HIGHEST POTENTIAL FOR SUCCESS FOR SUBSURFACE DISCHARGE. ALTERNATING SOIL ABSORPTION SYSTEMS (ASAS) COULD NOT BE EVALUATED IN THESE STUDIES, BUT THE USE OF SHALLOW ASAS'S COULD POTENTIALLY BE HIGHLY SUCCESSFUL. INTERMITTENT SAND FILTERS PRECEDED BY A SEPTIC TANK AND FOLLOWED BY DISINFECTION, AS REQUIRED, HAD THE HIGHEST POTENTIAL FOR SUCCESS FOR SURFACE DISCHARGE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014898

PUBLICATION DATE: MAY 86

TITLE: BELT FILTER PRESSES. DESIGN INFORMAITON REPORT.

DESCRIPTOR: *BELT FILTER PRESSES; *DESIGN; *EQUIPMENT; *EQUIPMENT SELECTION; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 8P. FREE WHILE SUPPLIES LAST; EPA/600/M-86/011

ABSTRACT: THIS REPORT DISCUSSES CURRENT PROBLEMS ASSOCIATED WITH SELECTION DESIGN, AND OPERATION OF BELT FILTER PRESS DEWATERING SYSTEMS AT MUNICIPAL WASTEWATER TREATMENT FACILITIES. THE REPORT DISCUSSES APPLICATION OF THE PRESS ITSELF, AS WELL AS SELECTION AND APPLICATION OF AUXILLARY EQUIPMENT ASSOCIATED WITH THE BELT FILTER PRESS.

AVAILABILITY: ORD PUBLICATIONS, CENTER FOR ENVIRONMENTAL RESEARCH INFORMATION, U.S. EPA, 26 WEST ST. CLAIR ST., CINCINNATI, OH 45268

IRIS ACCESSION NUMBER: EW014899

PUBLICATION DATE: SEP 86

TITLE: CENTRIFUGES. DESIGN INFORMATION REPORT.

DESCRIPTOR: *CENTRIFUGES; *DESIGN; *EQUIPMENT SELECTION; *EQUIPMENT; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 11P. FREE WHILE SUPPLIES LAST: EPA/600/M-86/023

ABSTRACT: THIS REPORT CONTAINS A BRIEF DESCRIPTION OF THE MAJOR COMPONENTS AND OPERATIONAL PRINCIPLES OF SOLID BOWL, IMPERFORATE BASKET, AND DISC-NOZZLE CENTRIFUGES, FOLLOWED BY A DISCUSSION OF CENTRIFUGE APPLICATION TO SLUDGE THICKENING AND DEWATERING. COMMON PROBLEMS EXPERIENCED AT CENTRIFUGE INSTALLATIONS ARE IDENTIFIED, INCLUDING CAUSES OF PROBLEMS, SIGNIFICANT COST AND PLANT PERFORMANCE IMPACTS, AND APPROPRIATE REMEDIAL MEASURES. FINALLY, THE RELATIVE ADVANTAGES AND DISADVANTAGES OF EACH CENTRIFUGE AND

RECOMMENDED APPROACHES FOR DESIGN AND OPERATION ARE SUMMARIZED.

AVAILABILITY: ORD PUBLICATIONS, CENTER FOR ENVIRONMENTAL RESEARCH INFORMATION, U.S. EPA, 26 WEST ST. CLAIR ST., CINCINNATI, OH 45268

IRIS ACCESSION NUMBER: EW014901

PUBLICATION DATE: 86

TITLE: TELEVISION DATALOG UNIT (TDU).

DESCRIPTOR: *DATA COLLECTION; *DATA ENTRY; *MAINTENANCE PROGRAMS; MANAGEMENT; *SEWERS; *WASTEWATER COLLECTION; *TELEVISION DATALOG UNIT

DESCRIPTIVE NOTE: PRICE: $4,950.00

ABSTRACT: THIS IS A PORTABLE OR BUILT-IN-THE-VAN DEVICE THAT ALLOWS THE FIELD OPERATOR TO DIRECTLY ENTER OBSERVATIONS WITH A WORD-MEMBRANE KEYBOARD WITHOUT HAVING TO KEEP A MANUAL LOG DURING TELEVISION INSPECTION OF A SEWER LINE. THE OBSERVATIONS ARE STORED SO A REPORT CAN BE PRINTED LATER IN THE VAN OR IN THE OFFICE. LINEFIX IS A COMPUTER SOFTWARE PROGRAM THAT TAKES DATA FROM THE TELEVISION DATALOG UNIT TO DETERMINE AND COMPARE COSTS OF SEWER REPAIRS NEEDED.

AVAILABILITY: RJN COMPUTER SERVICES, INC., 213 S. WHEATON AVE., WHEATON, IL 60187

IRIS ACCESSION NUMBER: EW014902

PUBLICATION DATE: 87

TITLE: LINEFIX. THE COLLECTION SYSTEM MANAGER.

DESCRIPTOR: *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *COSTS; *LINEFIX; *MAINTENANCE; *MANAGEMENT; *SEWER REPAIR; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: PRICE: $2,500.00; COMPUTER DISK

ABSTRACT: LINEFIX IS A COMPUTER SOFTWARE PROGRAM WHICH USES TELEVISION INSPECTION DATA TO DETERMINE AND COMPARE THE COST OF ALTERNATIVE METHODS OF SEWER REPAIR. DATA CAN BE ENTERED INTO THE COMPUTER AUTOMATICALLY OR MANUALLY. THE PROGRAM LISTS SEVERAL REPAIR METHODS AND CALCULATES A COST FOR EACH AUTOMATICALLY. THE PROGRAM RUNS ON AN IBM PC OR COMPATIBLE MICRO COMPUTER.

AVAILABILITY: RJN COMPUTER SERVICES, INC., 213 S. WHEATON AVE., WHEATON, IL 60187

IRIS ACCESSION NUMBER: EW014903

PUBLICATION DATE: 87

TITLE: MAINTENANCE OPERATION AND MANAGEMENT SYSTEM (MOMS).

DESCRIPTOR: *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *MANAGEMENT; *MAINTENANCE; *PLANNING; *RECORDKEEPING; *REPORTS; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: PRICE: $2,500.00; COMPUTER DISK

ABSTRACT: THIS IS A COMPUTER SOFTWARE PROGRAM THAT ALLOWS SANITARY SEWER MANAGERS TO MAINTAIN RECORDS, PRODUCE REPORTS, AND ISSUE WORK ORDERS. INCLUDED ARE A COST ACCOUNTING FEATURE, A SEWER SYSTEM INVENTORY, A MAINTENANCE RECORD, AND SEVERAL REPORT GENERATORS. THE SOFTWARE IS DESIGNED TO OPERATE ON AN IBM PC OR COMPATIBLE MICRO COMPUTER.

AVAILABILITY: RJN COMPUTER SERVICES, INC., 213 S. WHEATON AVE., WHEATON, IL 60187

IRIS ACCESSION NUMBER: EW014904

PUBLICATION DATE: FEB 87

TITLE: REACTIVATION OF GRANULAR CARBON IN AN INFRARED TRAVELING BELT FURNACE.

PERSONAL AUTHOR: NUR, RAMIN; HORVATH, ROBERT W.
DESCRIPTOR: *COSTS; *ACTIVATED CARBON; *CARBON ADSORPTION; *GRANULAR CARBON; *OPERATIONS (WASTEWATER TREATMENT); *REACTIVATION; *REGENERATION; *WASTEWATER TREATMENT; *SHIRCO CARBON REGENERATION FURNACE

DESCRIPTIVE NOTE: 64P. PRICE: $4.84

ABSTRACT: AN ALL-ELECTRICAL SHIRCO CARBON REGENERATION FURNACE AND ITS AIR POLLUTION CONTROL SYSTEM HAVE BEEN EVALUATED FOR COST AND PROCESS EFFECTIVENESS IN CARBON REACTIVATION AT THE POMONA ADVANCED WASTEWATER TREATMENT RESEARCH FACILITY. THE SHIRCO CARBON REGENERATION SYSTEM WAS FOUND TO BE AS EFFECTIVE AS THE MULTIPLE HEARTH AND ROTARY KILN FURNACES IN REACTIVATING THE EXHAUSTED GRANULAR ACTIVATED CARBON. THE SHIRCO FURNACE REQUIRED LESS OPERATIONAL SKILL BUT MORE MAINTENANCE LABOR THAN THE MULTIPLE HEARTH AND ROTARY KILN FURNACES. A COST ESTIMATE BASED ON A TYPICAL REGENERATION CAPACITY OF 182 KG/HR (400 LB/HR) HAS BEEN MADE FOR THE SHIRCO FURNACE REGENERATION SYSTEM. COMPARISON OF THIS COST ESTIMATE TO THOSE WHICH WERE REPORTED FOR MULTIPLE HEARTH AND ROTARY KILN FURNACES INDICATES THAT CAPITAL COST FOR THE SHIRCO FURNACE IS LOWER THAN THAT OF THE MULTIPLE HEARTH FURNACE AND HIGHER THAN THAT OF THE ROTARY KILN REGENERATION UNIT. THE OPERATION AND MAINTENANCE COST FOR THE SHIRCO FURNACE WAS, HOWEVER, FOUND TO BE HIGHER THAN THOSE FOR BOTH THE MULTIPLE HEARTH AND THE ROTARY KILN FURNACE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014905

PUBLICATION DATE: FEB 87

TITLE: POTENTIAL EMISSIONS OF HAZARDOUS ORGANIC COMPOUNDS FROM SEWAGE SLUDGE INCINERATION.

PERSONAL AUTHOR: MAZER, SUEANN; AND OTHERS.

DESCRIPTOR: *EMISSIONS; *HAZARDOUS MATERIALS; *INCINERATION; *RESEARCH REPORTS; *ORGANIC COMPOUNDS; *OPERATIONS (WASTEWATER); *SLUDGE; *WASTEWATER TREATMENT; *SEWAGE SLUDGE

DESCRIPTIVE NOTE: 145P. PRICE: $9.70

ABSTRACT: LABORATORY THERMAL DECOMPOSITION STUDIES WERE UNDERTAKEN TO EVALUATE POTENTIAL ORGANIC EMISSIONS FROM SEWAGE SLUDGE INCINERATORS. PRECISELY CONTROLLED THERMAL DECOMPOSITION EXPERIMENTS WERE CONDUCTED ON SLUDGE SPIKED WITH MIXTURES OF HAZARDOUS ORGANIC COMPOUNDS, ON THE MIXTURES OF PURE COMPOUNDS IN ABSENCE OF SLUDGE, AND ON UNSPIKED SLUDGE. THESE EXPERIMENTS WERE CONDUCTED USING LABORATORY FLOW-REACTOR SYSTEMS INTERFACED WITH A GAS CHROMATOGRAPH OR GAS CHROMATOGRAPH-MASS SPECTROMETER FOR PRODUCT ANALYSIS. ISSUES WHICH WERE ADDRESSED INCLUDED THE EFFECT OF THE SLUDGE MATRIX ON THE THERMAL DECOMPOSITION BEHAVIOR OF THE HAZARDOUS SLUDGE CONTAMINANTS; POTENTIAL EMISSIONS FROM INCINERATION OF CONTAMINATED AND UNCONTAMINATED SLUDGE; THE RELATIVE CONTRIBUTIONS OF THE BIOMASS AND THE CONTAMINANTS TO MASS EMISSIONS IN SEWAGE SLUDGE INCINERATION; AND POTENTIAL EMISSIONS DUE TO VOLATILIZATION OF ORGANICS FROM SLUDGE IN THE DRYING ZONES OF MULTIPLE HEARTH INCINERATORS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014906

PUBLICATION DATE: FEB 87

TITLE: STABILIZATION OF SEWAGE SLUDGE BY TWO-PHASE ANAEROBIC DIGESTION.

PERSONAL AUTHOR: GHOSH, S.; AND OTHERS.

DESCRIPTOR: *ANAEROBIC DIGESTION; *OPERATIONS (WASTEWATER TREATMENT); *RESEARCH REPORTS; *SLUDGE; *SEWAGE SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 351P. PRICE: $22.06

ABSTRACT: THE RESEARCH DESCRIBED IN THIS REPORT WAS CONCERNED WITH EVALUATION OF ALTERNATIVE APPROACHES TO ANAEROBIC DIGESTION, A PROCESS COMMONLY USED ON THE RESIDUAL STREAM FROM WASTEWATER TREATMENT. THE PRINCIPAL APPROACH STUDIED WAS THAT OF SEPARATING THE ACID- AND METHANE-FORMING PHASES BY USING TWO DIGESTION VESSELS RATHER THAN ONE. THE EFFECTS OF VARYING TEMPERATURE AND OTHER OPERATING PARAMETERS, AND OF ADDING ENZYMES TO THE PROCESS, WERE ALSO INVESTIGATED. FOR CONTINOUS-FLOW, CONTINUOUSLY STIRRED TANK REACTORS, THE TWO-PHASE PROCESS PERFORMED BETTER THAN SINGLE-STAGE DIGESTION FOR ALL OPERATING CONDITIONS. NOVEL UPFLOW DIGESTERS HAVING HIGH SOLIDS RETENTION WERE ALSO EVALUATED AND OFFERED FURTHER IMPROVEMENTS. THE ENZYME ADDITIONS ALSO ENHANCED TWO-PHASE DIGESTION.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014907

PUBLICATION DATE: 87

TITLE: INTERNATIONAL SYMPOSIUM ON BIOFOULED AQUIFERS: PREVENTION AND RESTORATION.

PERSONAL AUTHOR: CULLIMORE, D. ROY.

DESCRIPTOR: *AQUIFERS; *CONFERENCE PROCEEDINGS; *BIOFOULED AQUIFERS; *BIOCHEMISTRY; *GROUNDWATER; *BIOFOULING; *MICROBIOLOGY; *WATER QUALITY; *WATER POLLUTION CONTROL; *WATER RESOURCES

DESCRIPTIVE NOTE: 183P. PRICE: AWRA MEMBER - $19.00; NON-MEMBER - $23.00; (SOFTCOVER)

ABSTRACT: THESE ARE THE PROCEEDINGS OF A SYMPOSIUM HELD IN 1986. THE DOCUMENT IS AN ATTEMPT TO CONSIDER MICROBIOLOGICAL AND BIOCHEMICAL ASPECTS OF BIOFOULING IN AQUIFERS TO HELP PREVENT BIOFOULING AND TO HELP RESTORE BIOFOULED AQUIFERS.

AVAILABILITY: AMERICAN WATER RESOURCES ASSOCIATION, 5410 GROSVENOR LANE, SUITE 220, BETHESDA, MD 20814

IRIS ACCESSION NUMBER: EW014908

PUBLICATION DATE: 87

TITLE: SYMPOSIUM ON MONITORING, MODELING, AND MEDIATING WATER QUALITY.

PERSONAL AUTHOR: NIX, STEPHAN J.; BLACK, PETER E.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *MONITORING; *MODELING; *WATER QUALITY; *WATER POLLUTION; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 710P. PRICE: AWRA MEMBER - $49.00; NON-MEMBER - $59.00; (SOFTCOVER)

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS FROM A SYMPOSIUM HELD IN SYRACUSE, N.Y., IN MAY, 1987. INFORMATION IS INCLUDED ON MONITORING, MODELING, AND MEDIATING WATER QUALITY.

AVAILABILITY: AMERICAN WATER RESOURCES ASSOCIATION, 5410 GROSVENOR LANE, SUITE 220, BETHESDA, MD 20814

IRIS ACCESSION NUMBER: EW014909
PUBLICATION DATE: MAR 87

TITLE: THE STATE OF THE CHESAPEAKE BAY SECOND ANNUAL MONITORING REPORT.

DESCRIPTOR: *CHESAPEAKE BAY; *ENVIRONMENT; *MONITORING DATA; *PHYSICAL DATA; *CHEMICAL DATA; *BIOLOGICAL DATA; *NATURAL RESOURCES; *SEDIMENTS; *TRENDS; *WATER QUALITY

DESCRIPTIVE NOTE: 27P.

ABSTRACT: THIS SECOND REPORT FROM THE CHESAPEAKE BAY MONITORING SUBCOMMITTEE SUMMARIZES DATA COLLECTED AT OVER 165 STATIONS BAY-WIDE FOR THE NEW COORDINATED MONITORING PROGRAM FROM JUNE 1984 THROUGH SEPTEMBER 1985. THIS INITIAL EFFORT REPRESENTS THE GROUNDWORK OF A LARGE, COMPLEX AND RAPIDLY GROWING STORE OF INFORMATION. THE FIRST PART OF THE REPORT FOCUSES ON THE PHYSICAL-CHEMICAL CHARACTERISTICS OF THE BAY. THE SECOND HALF OF THE PUBLICATION COVERS BIOLOGICAL RESOURCES.

AVAILABILITY: THE CHESAPEAKE BAY PROGRAM, 410 SEVERN AVE., ANNAPOLIS, MD 21403

IRIS ACCESSION NUMBER: EW014912

PUBLICATION DATE: JUL 86

TITLE: PRETREATMENT COMPLIANCE MONITORING AND ENFORCEMENT GUIDANCE.

DESCRIPTOR: *RECORDKEEPING; *MONITORING; *INDUSTRIAL USERS; *ENFORCEMENT; *GUIDANCE MANUALS; *PRETREATMENT; *WASTEWATER TREATMENT; *COMPLIANCE; *REPORTING; *REGULATIONS

DESCRIPTIVE NOTE: 139P. FREE WHILE SUPPLIES LAST FROM USEPA; $9.34 FROM EQ/IRC

ABSTRACT: THIS DOCUMENT IS INTENDED TO BE A COMPREHENSIVE GUIDE TO PRETREATMENT IMPLEMENTATION OF PUBLICLY-OWNED TREATMENT WORKS WITH APPROVED PRETREATMENT PROGRAMS. A DETAILED DISCUSSION IS PROVIDED FOR: (1) ESTABLISHING MONITORING REQUIREMENTS FOR INDUSTRIAL USERS; (2) SAMPLING AND INSPECTING INDUSTRIAL USERS; (3) REVIEWING INDUSTRIAL USER REPORTS; (4) DETERMINING INDUSTRIAL USER COMPLIANCE STATUS; (5) SETTING PRIORITIES FOR ENFORCEMENT ACTIONS; AND (6) REPORTING PROGRESS TO APPROVAL AUTHORITIES.

AVAILABILITY: ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF WATER ENFORCEMENT AND PERMITS, EN-338, 401 M STREET, S.W., WASHINGTON, D.C. 20460. ALSO AVAILABLE FROM EQ/IRC CENTER, 1200 CHAMBERS RD., ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014913

PUBLICATION DATE: JUL 86

TITLE: PRETREATMENT COMPLIANCE INSPECTION AND AUDIT MANUAL FOR APPROVAL AUTHORITIES.

DESCRIPTOR: *AUDITS; *COMPLIANCE; *INSPECTION; *PRETREATMENT; *PRETREATMENT COMPLIANCE INSPECTION; *PRETREATMENT PROGRAM AUDIT; *MONITORING; *ENFORCEMENT; *REGULATIONS; *WASTEWATER TREATMENT; *MANUALS

DESCRIPTIVE NOTE: 113P. FREE WHILE SUPPLIES LAST FROM USEPA; $7.78 FROM EQ/IRC

ABSTRACT: THIS MANUAL PROVIDES APPROVAL AUTHORITIES WITH INFORMATION AND MATERIAL ON AUDITS AND INSPECTIONS OF APPROVED POTW PRETREATMENT PROGRAMS. THE MANUAL SHOULD ASSIST APPROVAL AUTHORITIES IN PROVIDING EFFECTIVE OVERSIGHT OF APPROVED PRETREATMENT PROGRAMS UNDER THEIR JURISDICTION. SECTIONS ARE INCLUDED ON: (1) INTRODUCTION; (2) OVERVIEW AND BACKGROUND; (3) PRETREATMENT COMPLIANCE INSPECTION (PCI) AND AUDIT FROCEDURES; (4) PCI CHECKLIST; AND (5) PRETREATMENT PROGRAM AUDIT CHECKLIST.

AVAILABILITY: EPA, OFFICE OF WATER ENFORCEMENT AND PERMITS, EN-338, 401 M ST., S.W., WASHINGTON, D.C. 20460. ALSO AVAILABLE FROM EQ/IRC CENTER, 1200 CHAMBERS RD., ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW014914

PUBLICATION DATE: 83

TITLE: EMERGING TECHNOLOGIES FOR THE CONTROL OF HAZARDOUS WASTES. POLLUTION TECHNOLOGY REVIEW NO. 99.

PERSONAL AUTHOR: EDWARDS, B.H.; AND OTHERS.

DESCRIPTOR: *HAZARDOUS WASTES; FLUIDIZED BED INCINERATION; MOLTEN SALT COMBUSTION; ULTRAVIOLET LIGHT; *TECHNOLOGY; *WASTE CONTROL; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 146P. PRICE: $24.00 / ISBN 0-8155-0943-X

ABSTRACT: THIS BOOK REVIEWS AND ASSESSES EMERGING TECHNOLOGIES OR NOVEL VARIATIONS OF ESTABLISHED TECHNOLOGIES FOR THE CONTROL OF HAZARDOUS WASTES. MOST OF THE HAZARDOUS WASTES CONSIDERED IN THE STUDY ARE ORGANIC SUBSTANCES. THREE MAJOR TECHNOLOGIES ARE COVERED IN DETAIL: MOLTEN SALT COMPUSTION, FLUIDIZED BED INCINERATION, AND ULTRAVIOLET (UV)/OZONE DESTRUCTION. THEORY, UNIT OPERATIONS, SPECIFIC WASTES TREATED, AND ECONOMICS ARE DISCUSSED FOR EACH OF THESE. SEVERAL OTHER TECHNOLOGIES IN THE DEVELOPMENTAL STAGES ARE ALSO DESCRIBED. INCLUDED IN THIS CATEGORY ARE CATALYZED WET OXIDATION, DEHALOGENATION BY TREATMENT WITH UV IRRADIATION AND HYDROGEN, ELECTRON BOMBARDMENT OF TRACE TOXIC ORGANIC COMPOUNDS, UV/CHLORINOLYSIS OF AQUEOUS ORGANICS, AND CATALYTIC HYDROGENATION-DECHLORINATION OF POLYCHLORINATED BIPHENYLS (PCBS). AMONG THE WASTES TO BE TREATED BY THESE EMERGING TECHNOLOGIES ARE VARIOUS DIOXINS, PCBS, PESTICIDES, HERBICIDES, CHEMICAL WARFARE AGENTS, EXPLUSIVES, PROPELLANTS, NITROBENZENE, PLUS HYDRAZINE AND ITS DERIVATIVES.

AVAILABILITY: NOYES PUBLICATIONS, NOYES DATA CORPORATION, MILL RD. A ND AVE., PARK RIDGE, NEW J

IRIS ACCESS[illegible] NUMBER: EW014915

PUBLICATION DATE: 86

TITLE: CONTROLLING VOLATILE EMISSIONS AT HAZARDOUS WASTE SITES. POLLUTION TECHNOLOGY REVIEW NO. 126.

PERSONAL AUTHOR: EHRENFELD, JOHN R.; AND OTHERS.

DESCRIPTOR: *HAZARDOUS WASTES; *HAZARDOUS WASTE SITES; *EMISSION CONTROLS; LANDFILLS; *POLLUTION CONTROL; STORAGE TANKS; *WASTE TREATMENT; *VOLATILE EMISSIONS

DESCRIPTIVE NOTE: 412P. PRICE: $54.00 / ISBN 0-8155-1063-2

ABSTRACT: THIS BOOK IS DIVIDED INTO THREE PARTS. PART I EVALUATES CONTROLS FOR VOLATILE EMISSIONS ARISING FROM THE TREATMENT, STORAGE, AND DISPOSAL OF HAZARDOUS WASTES. FOR EACH PRINCIPAL TYPE OF HAZARDOUS WASTE MANAGEMENT FACILITY, SOURCES OF ATMOSPHERIC EMISSIONS ARE DESCRIBED AND CONTROLS REPRESENTING DIFFERENT APPROACHES ARE EXAMINED AND COMPARED. MATHEMATICAL MODELS DESCRIBING THE RELEASE RATE OF VOLATILE AIR EMISSIONS FROM HAZARDOUS WASTE TSDFS ARE COMPILED AND REVIEWED IN PART II. PART III PRESENTS (1) PHYSICAL-CHEMICAL PROPERTIES OF RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) WASTE RELATED TO VOLATILITY AND (2) A WASTE CATEGORIZATION SCHEME BASED ON THE VOLATILITY OF RCRA WASTES FROM HAZARDOUS WASTE TSDFS.

AVAILABILITY: NOYES PUBLICATIONS, NOYES DATA CORPORATION, MILL RD. AT GRAND AVE., PARK RIDGE, NEW JERSEY 07656

IRIS ACCESSION NUMBER: EW014916

PUBLICATION DATE: 86

TITLE: BIOTECHNOLOGY AND THE ENVIRONMENT: RESEARCH NEEDS.

PERSONAL AUTHOR: OMENN, GILBERT S.; TEICH, ALBERT H.

DESCRIPTOR: *BIOTECHNOLOGY; *CONTROL TECHNOLOGY; *ENVIRONMENT; *HEALTH EFFECTS; *MONITORING; *RESEARCH NEEDS; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 169P. PRICE: $36.00 / ISBN 0-8155-1105-1

ABSTRACT: THIS BOOK DISCUSSES RESEARCH NEEDS RELATING TO THE EFFECTS OF BIOTECHNOLOGY ON THE ENVIRONMENT. THE BOOK PRESENTS A SERIES OF PAPERS WHICH COVER MAJOR AREAS OF CONCERN-ENVIRONMENTAL EFFECTS, HEALTH EFFECTS, MONITORING AND QUALITY ASSURANCE, AND CONTROL TECHNOLOGIES-AS EACH OF THESE APPLIES TO RESEARCH NEEDS IN BIOTECHNOLOGY AND THE ENVIRONMENT.

AVAILABILITY: NOYES PUBLICATIONS, NOYES DATA CORPORATION, MILL RD. AT GRAND AVE., PARK RIDGE, NEW JERSEY 07656

[illegible]ICATION DATE: 86

[illegible]LE: SOLVENTS SAFETY HANDBOOK.

PERSONAL AUTHOR: DE-RENZO, D.J.

DESCRIPTOR: *ACCIDENT PREVENTION; *CHEMICALS; *HAZARDOUS MATERIALS; *HANDBOOKS; *ORGANIC COMPOUNDS; *SAFETY; *SOLVENTS

DESCRIPTIVE NOTE: 696P. PRICE: $86.00 / ISBN 0-8155-1074-8

ABSTRACT: THIS HANDBOOK IS A COMPILATION OF DATA ON 335 HAZARDOUS AND FREQUENTLY-USED SOLVENTS. THIS BOOK IS INTENDED FOR USE BY SCIENTISTS, ENGINEERS, MANAGERS, TRANSPORTATION PERSONNEL, AND ANYONE ELSE WHO MIGHT HAVE CONTACT WITH, OR REQUIRE DATA ON, A PARTICULAR SOLVENT. INCLUDED IN THE LARGE AMOUNT OF PERTINENT DATA FOR EACH SOLVENT ARE THE FOLLOWING CATEGORIES OF INFORMATION, AS AVAILABLE: HEALTH HAZARDS AND TOXICITY; FIRE, EXPOSURE, AND WATER POLLUTION EFFECTS AND METHODS FOR HANDLING; PROTECTIVE EQUIPMENT; RESPONSES TO DISCHARGE; FIRE HAZARDS; CHEMICAL REACTIVITY; LABELING; SHIPPING INFORMATION; SATURATED LIQUID DENSITY; LIQUID HEAT CAPACITY, THERMAL CONDUCTIVITY, AND VISCOSITY; SOLUBILITY IN WATER; SATURATED VAPOR PRESSURE AND VAPOR DENSITY; IDEAL GAS HEAT CAPACITY.

AVAILABILITY: NOYES PUBLICATIONS, NOYES DATA CORPORATION, MILL RD. AT GRAND AVE., PARK RIDGE, NEW JERSEY 07656

IRIS ACCESSION NUMBER: EW014918

PUBLICATION DATE: 86

TITLE: MODELING REMEDIAL ACTIONS AT UNCONTROLLED HAZARDOUS WASTE SITES. POLLUTION TECHNOLOGY REVIEW NO. 130.

PERSONAL AUTHOR: BOUTWELL, S.H.; AND OTHERS.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *HAZARDOUS WASTES; *GROUNDWATER; *MANAGEMENT; *MODELS; PLANNING; *REMEDIAL ACTION; *SOILS; *SURFACE WATER; *WATER POLLUTION CONTROL; *WASTE CONTROL

DESCRIPTIVE NOTE: 440P. PRICE: $48.00 / ISBN 0-8155-1084-5

ABSTRACT: THIS BOOK PROVIDES PERTINENT INFORMATION ON THE SELECTION AND APPLICATION OF PREDICTIVE TOOLS FOR THE CONTROL OF SPECIFIC PROBLEMS AT UNCONTROLED HAZARDOUS WASTE SITES. MODELS CAN BE USED TO SUPPLEMENT BEST ENGINEERING JUDGEMENT BY PROVIDING A QUANTITATIVE ASSESSMENT OF SITE CONDITIONS AND REMEDIAL ACTION PERFORMANCE. THIS ALLOWS MORE ACCURACY AND CONFIDENCE IN DECISIONS CONCERNING TECHNICAL AND COST-EFFECTIVENESS OF REMEDIAL ACTIONS. PART I OF THE BOOK PRESENTS A MODEL SELECTION METHODOLOGY BASED ON FLOW CHARTS AND MATRICES. THREE BASIC DECISIONS FORM THE FRAMEWORK: IS MODELING REQUIRED? IF SO, WHAT LEVEL OF MODELING IS REQUIRED? WHAT ARE THE REQUIRED MODEL CAPABILITIES? PARTS II, III, AND IV DESCRIBE GUIDANCE FOR SIMPLIFIED METHODS FOR EVALUATION OF SUBSURFACE AND WASTE CONTROL ACTIONS, NUMERICAL MODELS FOR THE SAME ACTIONS, AND ANALYTICAL AND NUMERICAL MODEL USE FOR EVALUATION OF REMEDIAL ACTIONS IN SURFACE WATER, RESPECTIVELY. TECHNIQUES AND LITERATURE DATA USEFUL IN ESTIMATING PARAMETER VALUES ARE PROVIDED.

AVAILABILITY: NOYES PUBLICATIONS, NOYES DATA CORPORATION, MILL RD. AT GRAND AVE., PARK RIDGE, NEW JERSEY 07656

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*ACTIVATED SLUDGE PROCESS	(3)	EW014766 EW014807 EW014808
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*ADVANCED TREATMENT	(1)	EW014156
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*BACTERIOLOGY	(1)	EW014847
*BELT FILTER PRESSES	(1)	EW014890
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BIOLOGICAL PROCESSES	(1)	EW014771
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*CITIZEN PARTICIPATION (2) EW014751 EW014882
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*CLEANUP TECHNIQUES (1) EW014842
*CLEAN WATER ACT (2) EW014426 EW014776
*CLIMATE (1) EW014847
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*COLORADO (1) EW014652
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*COMMUNITY HYGIENE (1) EW014839
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*CONSERVATION TILLAGE (1) EW014822
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*EMERGENCY PLANNING	(1)	EW014670
*EMERGENCY PREPAREDNESS	(1)	EW014792
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*EUROPE (2) EW014809 EW014836
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*FLOODS (1) EW014826
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*FOAMING (1) EW014808
*FOOD SAFETY (1) EW014837
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*HOMESTUDY	(1)	EW014839
*HOUSEHOLD WASTES	(1)	EW014894
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*INVENTIONS (1) EW014721
*IRRIGATION (1) EW014691

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*MODELING (1) EW014908

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*MOTOR FUEL (2) EW014890 EW014891

*MUNICIPAL COMPLIANCE (1) EW014426

*MUNICIPALITIES (1) EW014690

*MUNICIPAL WASTES (1) EW014702

*MYCOLOGY (1) EW014847

*MYCOTIC DISEASES (1) EW014836

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*NATIONAL STANDARDS (1) EW014776

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*NITRATES (1) EW014822

NOISE (1) EW014809

*NONPOINT SOURCE POLLUTION (2) EW014870 EW014871

*NORTH CAROLINA (1) EW014839

*NUCLEAR WASTE POLICY ACT (1) EW014777

*NUCLEAR WASTES (1) EW014777

*OCCUPATIONAL HEALTH (6) EW014785 EW014805 EW014837 EW014860 EW014880 EW014881

OCCUPATIONAL HEALTH (1) EW014879

*OCCUPATIONAL SAFETY (2) EW014693 EW014735

*OCEANOGRAPHY (1) EW014772

*OCEANS (1) EW014658
*OFFICE OF WATER (1) EW014658
*OHIO (1) EW014681
*OIL (1) EW014754
OIL (1) EW014862
*OIL POLLUTION (1) EW014862
*OIL SPILLS (1) EW014862
*ON-SITE WASTEWATER TREATMENT (3) EW014668 EW014683 EW014738
*ONSITE WASTEWATER TREATMENT (2) EW014893 EW014897
*OPERATIONS (SOLID WASTES) (1) EW014786
*OPERATIONS (WASTE DISPOSAL) (1) EW014835
*OPERATIONS (WASTEWATER) (41) EW014156 EW014564 EW014651 EW014652 EW014654 EW014657 EW014661 EW014663 EW014664 EW014665 EW014666 EW014667 EW014668 EW014683 EW014685 EW014686 EW014695 EW014696 EW014697 EW014715 EW014720 EW014721 EW014723 EW014731 EW014734 EW014738 EW014766 EW014797 EW014807 EW014808 EW014825 EW014828 EW014831 EW014844 EW014845 EW014859 EW014893 EW014897 EW014898 EW014899 EW014905
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*ORGANIC CHEMICALS (2) EW014745 EW014825
*ORGANIC COMPOUNDS (7) EW014708 EW014714 EW014734 EW014771 EW014845 EW014905 EW014917
*ORGANIZATIONS (1) EW014743
*OXIDATION DITCH (1) EW014661
*OZONE (2) EW014733 EW014734
*PACKAGING (2) EW014886 EW014887
*PAPER INDUSTRY (1) EW014776
*PARASITOLOGY (1) EW014847
*PATENTS (1) EW014721
*PATHOGENS (1) EW014650
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*PATHOLOGY (1) EW014836
*PCB (1) EW014799
PERFORMANCE AUDITS (1) EW014746

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*PERFORMANCE EVALUATIONS (1) EW014720

*PERMITS (1) EW014727

*PEST CONTROL (1) EW014688

*PESTICIDE RESISTANCE (1) EW014692

*PESTICIDES (14) EW014108 EW014688 EW014692 EW014693 EW014716 EW014744 EW014755 EW014756 EW014757 EW014758 EW014813 EW014821 EW014822 EW014865

*PEST MANAGEMENT (1) EW014688

PH (1) EW014765

*PHOSPHORUS (1) EW014779

*PHOSPHORUS CYCLING (1) EW014779

*PHYSICAL CHARACTERISTICS (1) EW014799

*PHYSICAL DATA (1) EW014909

PHYSICAL PROCESSES (1) EW014771

*PHYSICAL PROPERTIES (2) EW014796 EW014805

*PHYSICAL RELATIONSHIPS (1) EW014765

*PHYSICAL TREATMENT (1) EW014764

*PIPE REPAIR (1) EW014662

*PIPES (1) EW014806

*PLANKTON (1) EW014779

*PLANNING (14) EW014561 EW014657 EW014659 EW014670 EW014703 EW014[illegible] EW014726 EW014767 EW014780 EW014783 EW014800 EW014848 EW014855 EW014903

PLANNING (2) EW014710 EW014918

*PLANTS (1) EW014655

*PLUMBING (1) EW014866

*POLICIES (16) EW014561 EW014659 EW014690 EW014691 EW014692 EW014694 EW014728 EW014743 EW014743 EW014750 EW014809 EW014821 EW014823 EW014833 EW014848 EW014855

*POLICY STATEMENTS (1) EW014728

*POLLUTANTS (3) EW014708 EW014812 EW014871

*POLLUTION (3) EW014724 EW014809 EW014812

POLLUTION (2) EW014748 EW014787

*POLLUTION CONTROL (36) EW014564 EW014658 EW014670 EW014670 EW014681 EW014682 EW014694

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POLLUTION CONTROL (2) EW014823 EW014855

*POLLUTION GENERATION (1) EW014719

*POLLUTION PREVENTION (1) EW014862

*POSTSECONDARY EDUCATION (2) EW014807 EW014860

POSTSECONDARY EDUCATION (5) EW014100 EW014755 EW014756 EW014757 EW014758

*PREDICTIVE TECHNIQUE AUDITS (1) EW014748

*PRETREATMENT (3) EW014764 EW014912 EW014913

*PRETREATMENT COMPLIANCE INSPECTION (1) EW014913

*PRETREATMENT PROGRAM AUDIT (1) EW014913

*PREVENTION (1) EW014836

PRIVATIZATION (1) EW014710

*PROBLEM PREVENTION (1) EW014855

*PROBLEMS (1) EW014849

PROCEDURAL AUDITS (1) EW014746

*PROCESS DESCRIPTIONS (1) EW014721

*PRODUCTIVITY (1) EW014767

*PROGRAM DESCRIPTIONS (4) EW014659 EW014774 EW014833 EW014867

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*PROJECT REPORTS (1) EW014667

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PUBLIC HEALTH (3) EW014655 EW014839 EW014855

*PUBLIC IRRIGATION SYSTEMS (1) EW014691

*PUBLICITY (1) EW014700

*PUBLIC LAW 100-4 (1) EW014727

*PUBLIC PARTICIPATION (4) EW014668 EW014774 EW014780 EW014784

*PUBLIC POLICY (1) EW014692

*PUBLIC RELATIONS (1) EW014700
*PUBLIC RIGHTS (1) EW014787
*PUBLIC WATER SUPPLY (1) EW014550
*PULP INDUSTRY (1) EW014776
*PUMPS (1) EW014686
*PVC PIPES (1) EW014806
*QUALITY OF LIFE (1) EW014855
*RADIATION (1) EW014858
*RADIATION PROTECTION (1) EW014725
*RADIOACTIVE MATERIALS (1) EW014811
*RADIOACTIVITY (1) EW014725
*RADIO COMMUNICATIONS (1) EW014828
*RADIONUCLIDES (1) EW014773
*RADON (2) EW014811 EW014858
*RADON REDUCTION (1) EW014858
*RATES (1) EW014750
*RCRA (1) EW014674
*REACTIVATION (1) EW014904
*RECLAMATION (1) EW014772
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*REGIONAL PROGRAMS (1) EW014658
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REGULATIONS (1) EW014713
*REHABILITATION (1) EW014700

*RELIABILITY (1) EW014828
*REMEDIAL ACTION (3) EW014709 EW014790 EW014918
*REMOVAL PROCESS (1) EW014790
*REPAIR (1) EW014738
*REPORTING (1) EW014912
REPORTING (1) EW014820
*REPORTS (2) EW014671 EW014903
*RESEARCH (6) EW014564 EW014779 EW014794 EW014797 EW014811 EW014813
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*RESEARCHERS (1) EW014817
*RESEARCH INTERESTS (1) EW014817
*RESEARCH NEEDS (3) EW014693 EW014849 EW014916
*RESEARCH REPORTS (13) EW014656 EW014698 EW014770 EW014771 EW014798 EW014834 EW014839 EW014847 EW014863 EW014864 EW014897 EW014905 EW014906
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*RESOURCE CONSERVATION ACT (1) EW014767
*RESOURCE MANAGEMENT (1) EW014848
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*RESOURCE USE (1) EW014796
*RESPIRATORS (1) EW014881
*RESPONSE PLANS (1) EW014792
*REVERSE OSMOSIS (1) EW014563
*RIGHT-TO-KNOW (1) EW014792
*RIGHT-TO-KNOW PROGRAMS (1) EW014785
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*RISK MANAGEMENT (1) EW014856
*RISKS (1) EW014813
*RUBBER (1) EW014653
*RUBBER TIRES (1) EW014653
*RURAL AREAS (2) EW014642 EW014683

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*SAMPLING (1) EW014684
*SAN FRANCISCO BAY (1) EW014754
*SANITARIANS (1) EW014839
*SANITATION (2) EW014837 EW014892
*SARA (1) EW014670
*SECONDARY CLARIFIERS (1) EW014720
*SEDIMENTS (1) EW014909
*SEPTIC SYSTEMS (2) EW014683 EW014893
SEPTIC SYSTEMS (1) EW014815
*SEWAGE PUMPS (1) EW014686
*SEWAGE SLUDGE (5) EW014655 EW014656 EW014804 EW014905 EW014906
*SEWER REPAIR (1) EW014902
*SEWERS (5) EW014715 EW014730 EW014788 EW014901 EW014903
*SEWER SYSTEMS (1) EW014729
*SHIPPING (1) EW014799
*SHIRCO CARBON REGENERATION FURNACE (1) EW014904
*SILVICULTURE (1) EW014870
*SITE PROBLEMS (1) EW014897
*SITE REMEDIATION (1) EW014772
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*SLUDGE ASH (1) EW014796
*SLUDGE COMPOSTING (3) EW014722 EW014762 EW014798
*SLUDGE DEWATERING (1) EW014721
*SLUDGE DISINFECTION (1) EW014695
*SLUDGE DISPOSAL (1) EW014847
SLUDGE DISPOSAL (1) EW014804
*SMALL GENERATORS (1) EW014885

*SMALL WATER SUPPLIERS (1) EW014642
*SMALL WATER SYSTEMS (1) EW014643

*SOILS (6) EW014650 EW014655 EW014683 EW014739 EW014767 EW014918

SOILS (1) EW014815

*SOLIDS SEPARATION (1) EW014808

*SOLID WASTES (12) EW014562 EW014669 EW014674 EW014763 EW014781 EW014786 EW014833 EW014834 EW014835 EW014837 EW014838 EW014882

*SOLVENTS (2) EW014764 EW014917

*SPILL COLLECTION (1) EW014842

*SPILL CONTAINMENT (1) EW014842

*SPILL RESPONSE SERVICES (1) EW014718

*STABILIZATION (1) EW014685

*STANDARDS (2) EW014727 EW014865

*STATE PROGRAMS (3) EW014652 EW014870 EW014871

*STATE REGULATIONS (1) EW014789

*STATE ROLE (3) EW014426 EW014719 EW014820

*STATUS REPORT (1) EW014675

*STATUS REPORTS (1) EW014694

*STEP (1) EW014729

*STORAGE (2) EW014886 EW014887

*STORAGE SYSTEMS (1) EW014687

*STORAGE TANKS (6) EW014687 EW014793 EW014816 EW014841 EW014890 EW014891

STORAGE TANKS (1) EW014915

STORET (1) EW014820

*STORM SEWERS (1) EW014730

*STORMWATER (2) EW014730 EW014754

*STORYBOARDS (1) EW014800

*SUBMERSIBLE PUMPS (1) EW014686

SULFATES (1) EW014765

*SULFUR DIOXIDE EMISSIONS (1) EW014719

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*SURFACTANT BIODEGRADATION (1) EW014705

*SURVEYS (4) EW014654 EW014662 EW014890 EW014891

SURVEYS (1) EW014809

*SURVIVAL RATE (1) EW014650

*TECHNICAL ASSISTANCE (1) EW014840

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*TELEVISION DATALOG UNIT (1) EW014901

*TEMPERATURE (1) EW014847

*TERMINOLOGY (1) EW014746

*TEST PROCEDURES (1) EW014773

TEST PROCEDURES (1) EW014782

*THERAPY (1) EW014836

*THERMAL DESTRUCTION (1) EW014764

*THM (1) EW014642

TILLAGE (1) EW014822

*TORT LAWSUITS (1) EW014787

*TOXIC CONTROLS (1) EW014797

TOXICITY (1) EW014862

*TOXICOLOGY (2) EW014732 EW014736

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*TOXIC SUBSTANCES (17) EW014670 EW014681 EW014682 EW014724 EW014734 EW014736 EW014782 EW014785 EW014787 EW014792 EW014797 EW014805 EW014810 EW014813 EW014842 EW014849 EW014882

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*TRAINING (2) EW014703 EW014831

TRAINING (1) EW014786

*TRANSPORT (3) EW014650 EW014684 EW014781

*TRANSPORTATION (2) EW014887 EW014888

*TREATMENT TECHNIQUES (1) EW014739

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EW014867 EW014871 EW014909

*TRIHALOMETHANES (1) EW014642

*TROUBLESHOOTING (3) EW014683 EW014807 EW014808

*ULTRAVIOLET LIGHT (1) EW014734

ULTRAVIOLET LIGHT (1) EW014914

*ULTROX PROCESS (1) EW014734

*UNDERGROUND STORAGE SYSTEMS (1) EW014687

*UNDERGROUND STORAGE TANKS (5) EW014793 EW014816 EW014841 EW014890 EW014891

*UNITED STATES (EAST) (1) EW014765

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USEPA (1) EW014426

*VACUUM SYSTEMS (1) EW014729

VALUES (1) EW014855

*VERTICAL REACTION VESSEL SYSTEM (1) EW014651

*VIDECCASSETTES (6) EW014789 EW014790 EW014791 EW014792 EW014793 EW014794

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*VIROLOGY (1) EW014847

*VOLATILE EMISSIONS (1) EW014915

*VOLATILE ORGANIC COMPOUNDS (1) EW014771

*WASTE COLLECTION (2) EW014833 EW014886

*WASTE CONTROL (2) EW014914 EW014918

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*WASTE HANDLING (1) EW014794
*WASTE MINIMIZATION (1) EW014764
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*WATER POLLUTION CONTROL ACT (1) EW014727

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*WATER QUALITY ACT OF 1987 (1) EW014727

*WATER RATES (2) EW014643 EW014750

*WATER RESOURCES (15) EW014108 EW014550 EW014659 EW014690 EW014707 EW014728 EW014751 EW014755 EW014756 EW014757 EW014758 EW014826 EW014827 EW014865 EW014907

WATER RESOURCES (1) EW014710

*WATER REUSE (1) EW014659

*WATER SERVICES (1) EW014750

*WATERSHEDS (1) EW014826

*WATER SUPPLY (10) EW014550 EW014643 EW014659 EW014662 EW014690 EW014707 EW014750 EW014806 EW014827 EW014865

WATER SUPPLY (1) EW014644

*WATER TESTING (1) EW014775

*WATER TREATMENT (20) EW014108 EW014563 EW014642 EW014643 EW014663 EW014708 EW014710 EW014714 EW014726 EW014733 EW014734 EW014750 EW014755 EW014756 EW014757 EW014758 EW014816 EW014828 EW014845 EW014859

WATER TREATMENT (1) EW014862

*WATER USE (4) EW014690 EW014691 EW014707 EW014823

*WATER WELLS (1) EW014775

*WETLANDS (2) EW014680 EW014728

*WET-OXIDATION (1) EW014651

*WORLD PROBLEMS (2) EW014561 EW014809

*YEARBOOKS (1) EW014809